

1966-1969

#1-1868

USA

COLOMBIA

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BOT

Plowman

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\$2.98

THIS BOOK BELONGS TO

TIMOTHY PLOWMAN

BOTANICAL MUSEUM, HARVARD UNIV.

OXFORD STREET, CAMBRIDGE, MASS.

CLASS OF _____

HARVARD COOPERATIVE SOCIETY
CAMBRIDGE, MASS.

Plant Collections from Sandoval Co., New Mexico.

JUNE 24, 1966 to Aug 1, 1966.

Anasazi Origins Project.

24 JUNE 1966. Sandoval Camp.

ECON
G#

1. Populus wislizenii (Wats.) Sarg. Salicaceae
Tree, 10 m. Slope of arroyo, near house.
"Cottonwood."

- G# 2. Atriplex canescens Chenopodiaceae
Saltbush.
Shrub 1 m. open pasture.

- G# 3. Salsola kali L. Chenopodiaceae
Russian Thistle
Coarse herb. $\frac{1}{2}$ m. ♂ flowers.

4. Eleagnus angustifolia L. Elaeagnaceae
"Russian Olive"
Tree 10 m. near house. Shaded leaves large and green, those in full sun smaller & silvery.

5. Ratibida pinnatifida (Juss.) Barnhart Compositae
"Prairie Coneflower"
Arroyo. Collier Drew. Herb.

Mesa by Santoral Camp. 6000 ft.

6. Gutierrezia

Compositae

Snakeweed.

Suffrutescent herb.

7. Solanum elegnifolium

Solanaceae

Suffrutescent herb. Pasture. Corolla purple.
Fruit yellow.

8.

Compositae

Herb. Rays yellow.

9. Oryzopsis hymenoides

Gramineae

Indian Rice grass.

Herb. Arroyo. Draw. Heavily overgrazed.

Git 10. Sophora sericea Nutt.

Leguminosae

Herb. Petals cream. Arroyo "en medio"

~~Kuss~~ 11. Echinocereus fendleri?

Cactaceae

Git

Succulent. Petals red-purple.

26 June 1966. Armijo Draw.

GH 12. Dithyrea wislizeni Engelm.

Cruciferae

Large herb. bottom of arroyo, near stream.
Flowers white.

~~K, US~~ 13. Mammillaria

Cactaceae

Succulent. Mesa top by Armijo. Petals purple.

~~K, US~~ 14. Gilia longiflora (Torr.) G. Don.

Polemoniaceae

Herb. Along stream in arroyo bottom. Corolla
breeder-blue.

~~K, US~~ 15. Opuntia clavata Engelm.

Cactaceae

Succulent herb. 20 cm. Mesa top. Corolla
yellow. Plants forming dense masses.

~~K, US~~ 16. Talinum brevifolium Nutt.

Portulacae

Herb prostrate 3 cm tall. Petals pink.
Mesa top, on sandstone.

Armijo Drw. 26 June 1966

~~17~~ 17. Houstonia rubra Cav.

Rubiaceae

Perenn. Herb. Prostrate on mesa top. Corolla pink.

18. Verbena bipinnatifida Nutt. = V. gooddingii Briq.
det. H.N. Moldenke Sept. 1973.
Herb. Flowers red-purple. Bottom of arroyo.

~~19~~ 19. Rhus trilobata Nutt.
Squeebush (23 June 66)

Anacardiaceae

Shrub 1 m. Vertical slope of arroyo, in sand-stone. Fruits Red.

20. Cercocarpus montanus Raf.

Rosaceae

"Mountain Mahogany"

Shrub 0.5 - 0.7 m. mesa top.

~~21~~ 21. Ephedra torreyana Wats.
"Joint fir"

Shrub .5 m. on rocky ledge, mesa top.

~~22~~ 22. Lycium pallidum
"tomatillo"

Solanaceae

Shrub 1 m. Edge of mesa.

Armijo Draw. 236 June

~~23~~ 23. Dalea formosa Torr.

Leguminosae

Indigo bush. 26 June

Shrub. Edge of sandstone mesa. on top.
Petals purple, keel yellow.

24.

26 June.

Herb. Bottom of Armijo Draw.

Gramineae

25. Ribes cereum Dougl.

Saxifragaceae

23 June 66.

Shrub 1m. Fruits yellow. arroyo bottom.

26. Juniperus monosperma (Engelm.) Berg.

Cupressaceae

23 June 66

Shrub 3m. Mesa top.

27. Quercus undulata

Fagaceae

Econ

23 June 66

Shrub 1-2 m. Arroyo edge, mesa top.

28. Lesquerella intermedia (Wats.) Heller.

Cruciferae

Herb 13 cm. Mesa top. Petals yellow.

26 June 1966.

- Armijo. Draw.
29. Lesquerella fendleri (Gray) Wats. Cruciferae

Herb 6 cm. Mesa by Armijo. Petals yellow.
26 June 1966.

30. Hymenoxys r. Compositae

Herb 20 cm. Mesa top. 26 June 66. Rays yellow,
tube florets yellow-orange.

31. Juncaceae

Herb growing in moist lake bed. 28 June 1966.

32. Compositae

Herb. Mesa top.

33. Compositae

Herb. Rays white. Tube florets yellow.
Mesa top.

34. Compositae

Mesa top. Flowers yellow. 26 June 1966.

C. Armijo Drw. 28 June 1966.

- G# 35. Mentzelia pumila (Nutt.) Torr. & Gray. Loasaceae
 "Blazing Star, Stickleleaf"

Herb. Petals yellow-white. 1 mile east
 of Armijo tank.

- G# 36. Sphaeralcea fendleri A. Gray Malvaceae
 "Globe Yellow"

Herb. Mesa top, sandstone. Petals orange.

37. Tradescantia occidentalis (Britton) Smyth. Commelinaceae
 det. T.P.

Herb. Petals blue violet. Mesa top.

38. Cucurbita foetidissima H.B.K. Cucurbitaceae
 "Buffalo Gourd"

Diocious herb-creeping. open prairie near
 incipient arroyos. Armijo camp.

39. Hoffmannseggia jamesii Torr. & Gray. Leguminosae.

Herb. Petals yellow, stemens red. 1 mile East
 of Armijo.

40. Hoffmannseggia dreyuocarpa Gray. Leguminosae

Herb. Petals + stemens yellow. 1 mile East of Armijo.

Armijo. 28 June 1966.

41.

Rabbit Bush.

Shrub. 1 m. near pipeline on prairie.

Compositae

GH
ECON

42. Salix argophylla Nutt.

Salicaceae

Small tree 3-5 m. Armijo Spring.

43. Gaura coccinea Nutt.

Herb. open prairie east of Armijo.

44. Rumex

Polygonaceae

Coarse herb. Armijo Lake bed.

45. Rumex

Polygonaceae

ECON

Herb. Armijo Lake bed.

46.

Gramineae

Herb. 1 mile east of Armijo.

c. Armijo Drw.

47. Chenopodium album L.

Chenopodiaceae

Leaves quarter.

Herb. Armijo Lake bed. 28 June 1966.

48. Chenopodium

Chenopodiaceae

Herb. Armijo Lake bed. 28 June 1966.

49. Asclepias macrotis Torr.

Asclepiadaceae

Econ

Herb. Mesa S. of Armijo. 30 June 1966.

50. Cestilleja integra Gray

Scrophulariaceae

Indian Paintbrush.

Herb on mesa top. Bracts bright red. 30 June.

51. Linum puberulum (Engelm.) Heller

Linaceae

Slender herb. Petals yellowish-orange, deciduous.
Mesa top. 30 June.

52.

Wild Buckwheat.

Polygonaceae

Tall herb. Mesa South of Armijo. 30 June.

53. Pinus edulis Engelm. Pinaceae
Piñon.
Tree 3-4 m. Mesa by Armijo. 30 June 1966.

54. Mammalaria ~~arizonica~~ Engelm. Cactaceae
~~Heyderi~~ Muehlenpfordt
Succulent. Mesa N. of Armijo. 30 June 1966.

55. Abronia fragrans Nutt. Nyctaginaceae
Seed Verbena
Herb near Armijo. open prairie land. Petals white.
30 June 1966.

56. Artemisia Compositae
Shrub. Armijo Draw. 2 July 66.

57. Corydalis aurea Willd. Fumariaceae
Herb. Arroyo bottom - 2 July 1966.

GH 58. Sophora sericea Nutt. Leguminosae
Econ
Herb. Armijo Draw. 2 July 1966.

60. Orobancha ludoviciana Nutt. Orobanchaceae

Parasitic herb. Mesa top. by Armijo. 2 July.

61. Parthenocissus inserta (Kerner) K. Fritsch Vitaceae
"Virginia Creeper"
Climber on house. Sand oval. 2 July 1966.

62. Solanum elegnifolium Cav. Solanaceae
"Silver horse nettle"
Herb. By windmill, Armijo. 5 July 1966.

63. Opuntia imbricata Haw. Cactaceae
"Cholla"
Spiny shrub 2 m. Mesa. Very common. Tepals
purple-magenta. Joints round.

64. Opuntia ~~plumbosa~~ Rose. phaeacantha Engelm. Cactaceae
"Prickly pear"
Succulent spiny shrub. Joints flat. 28 June.
Mesa top. Tepals greenish yellow.

65. Rumex Polygonaceae
Herb. La Cienega. edge of pond. 7 July 1966.

66. Sagittaria cuneata Sheld. Alismaceae
 "Arrowhead."
 Aquatic herb. Pond at La Cienega. Petals white.
 7 July 1966.

- GH 67. Arenaria fendleri Gray Caryophyllaceae
 Sandwort.
 Desert herb. Low. Mesa top near Armijo. Petals
 Greenish white. 8 July.

68. Gramineae
 Herb. Mesa S. of Armijo. Dry sandy soil. 8 July.

69. Gramineae
 Herb. Mesa S. of Armijo. Panicle reddish.
 8 July 1966.

70. Bouteloua Gramineae
 Low perenn. herb. Mesa near Armijo. 8 July 1966.

71. Astragalus leguminosae
 loco weed.
 Herb. on mesa west of Armijo. 8 July 1966.

72. Gramineae
 Herb. along road near Armijo. 7 July 1966.

GH 73. Cleome serrulata Pursh. Capparidaceae
 "Rocky Mt. Bee Plant"
 Herb. Armijo. Lake bed. Petals pink. 7 July 1966.

GH 74. Asclepias subverticillata (Gray) Vail. Asclepiadaceae
 Herb. Along road to Armijo. 7 July 1966.

LE
 Econ 75. Potentilla Rosaceae
 Weedy herb. Armijo Lake Bed. 7 July 1966.

76. Gramineae
 Herb along road to Armijo. 7 July 1966.

77. Sphaeralcea coccinea Malvaceae
 "Globe Mallow."
 Herb. Petals red-orange. Edge of arroyo.
 5 July 1966.

78. Panicum sp. Gramineae
 GH Herb. Rocky ledge at Armijo. 9 July 1966.

79. Cruciferae
 Herb. Armijo Lake bed. Petals yellow.

80. Liunia grandiflora Compositae
 Perennial herb. N. of Armijo. Dry mesa. Rays
 yellow, disc orange. 5 July 1966.
 1/2 mile north of Armijo mesa

81.

Small Shrub, Armijo Draw. in sand. 5 July 1966.

- GH 83. Verbena bracteata Lag. & Rodr. Verbenaceae
 Herb. Corolla blue lavender. 4-angled stems.
 Armijo Lake bed. 7 July 1966.

84.

Compositae

Herb. mesa west of Armijo. on sandstone.
8 July 1966.

85. Chrysopsis villosa (Pursh.) Nutt.

Compositae

mesa west of Armijo Camp. 8 July 66.

86. Cuscuta campestris ? Yunker

Convolvulaceae

7 July 1966.

Parasitic vine. herbaceous. Growing on
Xanthium and Grindelia. Armijo Lake bed.
cf. # 263.

87. Aster sp.

Compositae

det E. Zardini 1977.

North of Armijo. on mesa top. 5 July 1966.
Reys white, disc yellow.

88. Hymenoxys sp.

Compositae

Armijo Lake bed. 7 July 1966. Yellow
flowers.

89. *Potamogeton pectinatus* L.

GH

Aquatic herb. Growing in saline watering tank.
6 July 1966. Completely submerged.

LE 90. *Potentilla*
Eva

Rosaceae

Herb. near Armijo Lake bed. 7 July 1966.

91. *Verbena bracteata* Lq. & Rodr.

Verbenaceae

Herb. near Armijo Lake. flowers blue-lavender.
7 July 1966.

92.

Compositae

Slender herb. Rays many, white. Armijo
Lake bed. 7 July 1966.

93. *Cirsium*
"Thistle"

Compositae

Spiny herb. near Armijo Lake. 7 July 1966.



94. Thelasperrna megapotentium Compositae

Mesa west of Armijo. 8 July 1966.

GH 95. Tamoxix pentandra Pell. Tamericaceae
 Tamrix,

Shrub 2 m. by Armijo tank. 7 July 1966.

GH 96. Astragalus Leguminosae
 Elen
 Herb under Atriplex. Petals white. 2 mi S. of Armijo. 10 July 1966.

GH 97. Sophora sericea Nutt. Leguminosae
 Herb. 2 mi S. of Armijo. Petals white. 10 July 1966.

98. Compositae.

Herb. 2 mi. S. of Armijo. 10 July 1966. Rays white, tipped with pink. Disc yellow.

GH 99. Psilostrophe Compositae

det E. Zardini 1977.

2 mi. S. of Armijo. 10 July 1966. Rays yellow, 3 to 4. Disc yellow.

100. Verbenaceae glandularia
GH

Herb. 2 mi. S. of Armijo. Corolla blue purple.
10 July 1966.

101. Helianthus Compositae

Tall herb, 4 ft. Rays yellow. In dry pond
1/4 mi. N of San Felipe Mesa. 10 July 1966.

LE 102. Polygonum Polygonaceae
Econ

Tall herb 1 m. Petals white, pinkish. In dry
pond 1/4 mi. N of San Felipe Mesa. 10 July 1966.

GH 103. Chenopodium coronopus (Dunal) Gray Solanaeae

Herb. 2 mi. S. of Armijo. 11 July 1966. Cream-
colored flowers.

104. Chrysopsis cf. villosa (Pursh.) Nutt. Compositae

Herb. Rays white with purple streaks under-
neath, disc yellow. 11 July 1966. 2 mi. S. of
Armijo.

GH 105. Croton texensis (Klotzsch) Muell. Arg.

Sub-Shrub $\frac{1}{2}$ meter. Dioecious. 2 mi. S. Armijo.
11 July 1966.

106. Mentzelia

Loasaceae

Herb. Scabrous. flowers cream colored. $\frac{2}{3}$ m.
11 July 1966. 2 mi. S. Armijo.

GH 107. Atriplex canescens (Pursh.) Nutt.
"Saltbush."

Chenopodiaceae

Shrub. Dioecious (♀ fl.) 2 mi. S of Armijo.
11 July 1966.

Sandoral Spring - 11 July 1966.

108. Sonchus sp.

Compositae

Herb. 1-2 m. Dry land. Disc yellow.
11 July 1966.

109. Trzyxium

Compositae

Herb. Rays yellow.

Sandovz Spring. 11 July 1966.

- G#
ECON 110. Melilotus officinalis (L.) Lam. Leguminosae
"Yellow Sweet Clover"
Herb 1.1-1.2 m. flowers yellow.

- G# 111. Sphaeralcea fendleri A. Gray Malvaceae

Herb. 1 m. Petals red-orange turning maroon.

- G# 112. Plantago major L. Plantaginaceae
Herb.

- G#
ECON 113. Rumex Polygonaceae
Herb. up to 1 m.

114. Juncus balticus Nutt. Juncaceae
G#
Herb. growing in water. 1 m.

115. Robinia Leguminosae
ECON
Small tree. 5 m.

Sandover Spring. 11 July 1966.

GH 116. ~~Salsola~~ Chenopodiaceae

Succulent shrub 1 m. Singed by fire.

GH 117.

Herb growing in water. Reddish heads.

GH 118. Typha domingensis Pers. Typhaceae
"Cattail"

Tall herb. Growing in water.

119.

Gramineae

Herb. Inflorescence disarticulating.

GH Eco 120. Atriplex canescens (Pursh.) Nutt. Chenopodiaceae
Shrub.

GH 121. Polygonum cf. aviculare

flowers small, perianth white.

GH 122 Agrostis sp.

Sandoval Swamp. 11 July 1966.

123. Scripus americanus Pers.

GH

Herb growing in marsh.

124. Juncus torreyi Coville

GH

Herb. growing in marsh.

GH 125. Juncus cf. nodosus

Herb growing in marsh.

126. Scirpus americanus

GH

Cyperaceae

Herb growing in marsh.

La Cienaga. 13 miles Southwest of Santa Fe,
New Mexico 13-14 JULY 1966. Ident. Univ of Arizona

GH 127. Sidalcea neomexicana T. Gray

Malvaceae

Herb in field. Petals dark purple.

La Ciénega. 13-14 July 1966.

128. Melilotus alba Lam.

Leguminosae

Tall herb. Edge of lake. White flowers.

129. Peucedanum laciniatum Torr.

Labiatae

"Germender"

Herb. Dry disturbed area. Corolla white.

130.

Cyperaceae

GH

Semi-aquatic herbs. Sterile.

GH 131. Rorippa nasturtium-aquaticum (L.) Schinz & Thell.

"Water Cress"

Cruciferae.

Herb growing in stream. Petals white.

Econ 132. Festuca octoflora Walt.

"fescue"

Gramineae

Herb in marsh grassland.

133. Phleum pratense L.

"timothy"

Gramineae

GH

Herb in marshy grassland.

La Cienega. 13-14 July 1966.

- Econ 134. Carex aquatilis Wahl. Cyperaceae

Herb. Marshy grassland.

- Econ 135. Carex praegracilis W. Boott. Cyperaceae

Herb. Marshy grassland.

- Econ 136. Cynodon dactylon (L.) Pers. Gramineae
"Bermuda Grass"
Marshy meadow.

137. Medicago sativa L. Leguminosae
"Medick. Alfalfa."
Tall herb in meadow. Flowers dark purple.

138. Asclepias speciosa Torr. Asclepiadaceae
"Milkweed"
Herb. Marshy area. Corona lt. pink, corolla dark pink.

- Glt Econ 139. Haplopappus heterophyllus (Gray) Blake. Compositae
Herb. Dry disturbed area. Rays yellow.

140. Eleagnus angustifolia L.
 "Russian Olive"
 Small tree. Meadow.

Eleagnaceae

Econ 141. Juncus nodosus L.
 "Rush"
 Semi-aquatic herb.

Juncaceae

142. Kochia scoparia ^(L.) Schrad.
 "Summer Cypress"

Chenopodiaceae

Dry disturbed area. Petals pale yellow.

GH 143. Salix lasiandra Benth.
 "Pacific willow"
 Shrub $\frac{3}{4}$ m. along lake.

Salicaceae

144. Salix lasiandra Benth.
 "Pacific willow"
 Tree 7m tall.

Salicaceae

Econ 145. Juncus balticus Willd.
 Rush.
 Semi-aquatic herb.

Juncaceae

La Cienega, 13-14 July 1966.

Gr 146. Juncus nodosus L.

Juncaceae

"Rush"

Semi-aquatic herb.

Ecol

147. Eleocharis macrostachya Britton

Juncaceae

"Spike Rush"

Herb in marsh.

148. Salix argophylla Nutt.

Salicaceae

Shrub 3 m. Edge of lake.

149. Juncus nodosus L.

Juncaceae

Ecol

"Rush"

Semi aquatic rush. Marshland.

150. Sagittaria cuneata Sheld.

Alismaceae

"Arrowhead"

Herb, aquatic. Petals white, Stamens yellow.

151. Scirpus americanus Pers.

Cyperaceae

"Bolrush"

Herb, aquatic. in marshland.

- GH 152. Grindelia aphanactis Rydb. Compositae
 "Gum weed"
 Sticky herb along lakebank. Capitula yellow.
153. Scirpus americanus Pers. Cyperaceae
 "Bulrush"
 Aquatic herb.
- GH 154. Berula erecta (Huds.) Coville. Umbelliferae
 "Water parsnip"
 Semi aquatic herb. Inlet Stream. Petals white.
- GH 155. Potamogeton nodosus Poir. Potamogetonaceae
 "Pondweed"
 Aquatic herb. Leaves floating. flower spikes above water.
156. Zannichellia palustris L. Potamogetonaceae
 "Horned Pondweed"
 Aquatic herb.
- GH 157. Sagittaria cuneata Sheld. Alismaceae
 "Arrowhead"
 Aquatic herb.

La Cienega. 13-14 July 1966.

Git 158. Juncus nodosus L.

Rush.

Aquatic herb.

~~Juncaceae~~
~~Cyperaceae~~

159. Polygonum aviculare L.

"Knotweed"

Herb. Edge of pond. flowers white.

Polygonaceae

Git 160. Plantago major L.

"Plantain"

Herb on edge of pond.

Plantaginaceae

161. Veronica americana Schwein.

"Speedwell."

Herb at edge of pond.

Scrophulariaceae

162. Polygonum ramosissimum Michx.

Polygonaceae

Herb at edge of pond. flowers white.

Git 163. Erigeron canadensis L.

Econ

Compositae

Tall herb on bank of pond. flowers creamy-yellow.

164. Chenopodium album L.

Chenopodiaceae

Weed on lake bank. Herb.

Econ 165. Juncus torreyi Coville

Juncaceae

Semi-aquatic herb. Marshland.

G# 166. Ranunculus aquatilis L.

Ranunculaceae

Aquatic herb. flowers ^{erected} above water. Petals
creamy yellow.

167. Typha latifolia L.

Typhaceae

Tall herb on pond edge in water.

Econ 168. Scirpus acutus Muhl.

Cyperaceae

Semi-aquatic herb. 2 m. Edge of pond.

169. Chara sp.
Algae.

Charophyta
Characeae

Aquatic alga.

La Cienega 13-14 July 1966.

- Econ 170. Eleocharis pauciflora (Lightf.) Link. Juncaceae.
"Spike Rush"
Semi-Aquatic. Marshland.

- Glt Econ 171. Paspalum distichum L. Gramineae
"Knot Grass"
Herb in meadow near pond.

172. Polygonum lapathifolium L. Polygonaceae
"Knotweed"
Herb. flowers white.

173. Polygonum amphibium L. Polygonaceae
"Knotweed"
Herb. flowers pink.

- Econ 174. Scirpus americanus Pers. Cyperaceae
"Bolrush"
Semi-aquatic herb. Marshland.

175. Polygonum aviculare L. Polygonaceae
"Knotweed"
Bank of lake. Herb. Petals white.

- Eccl 176. Hordeum jubatum L. Gramineae
 "foxtail barley" "squirreltail"
 Herb. Bank of pond.
177. Rumex crispus L. Polygonaceae
 "Dock"
 Edge of pond.
178. Tragopogon porrifolius L. Compositae
 "Oyster plant"
 On bank of pond. Herb.
- LE
GH 179. Achillea lanulosa Nutt. Compositae.
 "Yarrow"
 Herb. Edge of pond. Rays white.
180. Lemna minor L. Lemnaceae
 "Duckweed"
 Floating aquatic herb in inlet stream.
181. Medicago lupulina L. Leguminosae
 "Black-Medick", "None-Such"
 Herb near inlet stream. Corolla yellow,
 seeds black.

L Cienega. 13-14 July 1966.
 G# 102. Trifolium fendleri Greene Leguminosae

Herb. By inlet Stream. Flowers pink.

103. Rorippa nasturtium-aquaticum (L.) SCHINZ & THALL. Cruciferae
 "Water Cress"

Scirp. Herb in inlet Stream.

104. Rosa hypoleuca Woot. & Steudl. Rosaceae

Shrub 2 m.

G# 105. Gaura coccinea Pursh. Onagraceae

Herb. Dry disturbed area. fls. red + white.

106. Sphaeralcea coccinea (Pursh.) Rydb. Malvaceae
 "Globe Mallow"

Herb in disturbed area. Petals red-orange
 drying maroon.

107. Sphaeralcea fendleri A. Gray Malvaceae

Herb. Disturbed area. Red-orange fls.

188. Cleome serrulata Pursh. Cypripedaceae
Disturbed area. Large herb. Pink-lavender flowers.
189. Populus fremontii Wats. Salicaceae
"Cottonwood"
Tree near pond
190. Chenopodium album L. ? Chenopodiaceae
Herb in disturbed area.
191. Petalostemon candidum (W. & A.) Michx. Leguminosae
"White Prairie Clover"
Herb. edge of pond.
192. Chenopodium sp. Chenopodiaceae
Herb. Bank of pond.
193. Gaura parviflora Dougl. Onagraceae
Herb in meadow. Pink-dark red flowers.

La Cienega.

194. Agrostis palustris Huds.
"Creeping Bent Grass"
Herb. Meadow.

Gramineae

195. Chamaejasme coronopus (Donal) Gray Solanaceae

Herb in dry disturbed area. Corolla cream-colored. Fruit green, edible.

- GH 196. Rorippa nasturtium-aquaticum (L.) Schinz & Thell.
"Water Cress" Cruciferae
Semi aquatic herb in inlet stream.

- GH Ecov 197. Agrostis palustris Huds.
"Creeping Bent Grass"
Herb. Meadow.

Gramineae

- GH 198. Agrostis palustris Huds.
"Creeping Bent Grass"
Herb. Meadow.

Gramineae

199. Equisetum laevigatum A. Br. Equisetaceae
 "Scouring Rush"
 Semi-aquatic herb. Marshy grassland.

200. Prunella vulgaris L. Labiatae
 "Self-heal"
 Herb near inlet stream. Corolla purple.

- GH 201. Anemopsis californica (Nutt.) Hook. Saururaceae
 "Yerba-Mansa"
 Wetland herb. Bracts white, with pink.

202. Potentilla anserina L. ~~Ranunculaceae~~ Rosaceae
 "Silverweed"
 Small herb in inlet. flowers yellow.
 Roots edible raw or cooked.

- GH 203. Glycyrrhiza lepidota (Nutt.) Pursh. Leguminosae
 "Licorice"
 Herb. Meadow. Root contains glycyrrhizin
 used in licorice candy etc.

La Cienega

204. Ranunculus cymbalaria Pursh. Ranunculaceae

Herb in inlet stream. Petals yellow.

205. Mimulus guttatus DC

Scrophulariaceae

"Monkey flower"

Herb in inlet. Corolla yellow. Greens edible.

206. Berula erecta (Huds.) Coville

Umbelliferae

"Water parsnip"

Herb in inlet stream. Petals white.

GH
Ecod 207. Chrysopsis villosa (Pursh.) Nutt. Compositae

"Golden Aster"

Herb. Dry disturbed area. Rays yellow.

GH 208. Sporobolus airoides Torr.

Gramineae

Ecod

"Dropseed."

Herb in field.

La Cienega.

- G# 209. Ratibida pinnatifida (James) Bernhart Compositae
 "Prairie Coneflower"
 Herb. Dry disturbed area. Rays yellow-red.
 Disc red.
210. Asclepias subverticillata (Gray) Vahl. Asclepiadaceae
 "Milkweed"
 Herb, disturbed area. Flower cream.
211. Melilotus indicus (L.) Ait. Leguminosae
 "Sour Clover"
 Herb. Edge of pond. Flowers yellow.
- Econ 212. Agropyron trachyculum (Link) Muhl. Gramineae
 "Slender Wheat-Grass"
 Herb. Meadow.
- G# Econ 213. Haplopappus gracilis (Nutt.) Gray Compositae
 Dry disturbed area. Rays yellow. Herb.
214. Juniperus monosperma (Engelm) Serp. Cupressaceae
 "One Seed Juniper"
 Shrub 4m. Near pond, dry area.

SANDOVAL CO.

215. Atriplex

Git

2 mi. N. Armijo. Dry mesa. 16 July 1966.

216. Solanum triflorum Nutt.

Solanaceae

Herb. 2 mi. N. of Armijo. Corolla Creamy.
16 July.

217. Sitzumion hystrix

Gromineae

Herb. Dry mesa 2 mi N. Armijo. 16 July.

218.

5 mi W. of Rt. 44, 6 mi. from Benizillo.
13 July. fls. in bud.

LE 219. Dalea

Scor

2 mi. West of Rt. 44. 13 July, 1966.
flowers purplish.

220.
LP

Compositae

Rocky ledge by Armijo. 18 July 1966.

221. Quercus
Econ

Fagaceae

Mesa W. of Armijo. Shrub 1 m. Acorns.

LE 222. Quercus
Econ

Fagaceae

Shrub 3 m. Mesa W. Armijo. 18 July 1966.

223. Mirabilis
Econ

Mesa by Armijo, Petals pink. 18 July 1966.

LE 224. Potentilla
Econ

Rosaceae

Herb. Armijo Lake bed. Petals yellow
18 July 1966.

225. Portulaca oleracea L.

Portulacaceae

Succulent prostrate herb. Old cemetery
at Armijo. 18 July 1966. Petals yellow

226.

Mesa W. of Armijo. 18 July 66. Grazed.

227. Astragalus
Elev

Leguminosae

Mesa west of Armijo. 18 July 1966.

228.

Glt

Chenopodi-

Mesa, west of Armijo. 18 July 1966. flowers
yellowish-green.

LE 229. Yucca glauca Nutt. vel aff.
det P. Simpson 1973

Liliaceae

Mesa W. Armijo: 18 July 1966.

Mesa Prieta 20 July 1966.

230. Aster

Compositae

GH

det E. Zardini 1977.

In fruit. Rays white, disc yellow.
Road on top.

231. Gutierrezia

Compositae

GH

232.

Shrub, very woody at base. Mesa top.

233.

GH

Subshrub. Mesa top.

234. Tetradymia canescens DC.

Compositae

GH

Subshrub. Mesa top.

Mesa Prieta 20 July 1966

235. Arystida
Eion

Gramineae

Herb. Mesa top. Common.

LE 236. Stephanomeria tenuifolia

Mesa top. fls. pink.

237. Psilostrophe villosa Rydb.
GtH det E. Zardini 1977.

Compositae

Mesa top. flowers yellow.

238.

Mesa top.

Gramineae

239. Artemisia

Compositae

Common on edge of mesa

240. Muga Prieta 20 July 1966

241.

Compositae

Subshrub.

242.

Compositae

243. Funastrum crispum (Benth.) Schlechter

Scandent Climbing on Quercus.

244.

Mesa Prieta 20 July 1966.

245. Quercus
Econ

Fagaceae

Edge of mesa top.

246.

247.

flowers yellow.

248. Dymenoxys
GIT

Compositae

Road to Mesa 2 mi N. Armi. J.

249.

flowers pink.

Mesa Prieta 20 July 1966.

250.

GH

Amaranth.

In dry lake. Prostrate herb.

GH 251. Sphaeralcea coccinea (Pursh.) Rydb.

Malvaceae

In dry lake. Petals orange.

LF 252. Chenopodium
Econ

Chenopodiaceae

in Dry Lake.

253. Agropyron smithii?

GH

Gramineae

Near dry lake.

GH 254.

Gramineae

Mesa Prieta 20 July 1966.

255. *Hordeum* cf. *jubatum* L.

Gramineae

GH

In dry lake.

256.

Verbenaceae.
Scrophularia

GH

In Dry lake. flowers white.

257. *Agropyron*?
Econ

Gramineae

258. *Penstemon*

GH

flowers pink - white. (Coll. Marshall)

259. *Petalostemum purpureum* (Vent.) Rydb.
det. TP.

flowers purple. (Coll. Marshall)

260.

Compositae

flowers yellow. Coll. Marshall 20 July 1966.

GH 261. Juniperus monosperma (Engelm.) Sarg.Common tree on edge + sides of Mesa.
Mesa Prieta. 20 July 1966.LE 262. Grindelia aphanactis Rydb.

Compositae

GH

Sticky herb. Armijo tank. 22 July.

GH 263. Cuscuta campestris Yoncker

Convolvaceae

Parasitic herb. on Xanthium. petals
white. 22 July 1966.264. Xanthium

Herb 1 m. Armijo tank. 22 July 1966.

265.

Compositae

Mesa S. of Armiño. Small yellow flowers.
22 July.

266.

Compositae

Armiño tank. yellow flowers. 22 July

267. Pribulus terrestris L.

Lygophyllaceae

"Celtrop."

Armiño tank. yellow flowers. 22 July.
Spiny fruits. Creeping herb.

270. Astragalus

Econ

Mesa W. of Armiño. Dry sand. 22 July 1966.

271.

Subshrub. Mesa Prieta. flowers yellow.
20 July 66.

272.

Shrub. Mesa Prieta. 20 July 1966.

273. Atriplex

Chenopodiaceae

Armijo. 21 July 1966.

274. Echinocereus sp.

Cactaceae

Western edge of Mesa Prieta. 20 July 1966.

275. Mammillaria sp.

Cactaceae

GTH

Coll. by Marshall.

276. Opuntia phaeacantha Engelm.

Cactaceae

Armijo Draw. 12 July 1966.

277. Opuntia sp.
GH

West. edge of Mesa Prieta on hwy. 20 July 66.

278. Echinocereus sp.
GH

Cactaceae

Mesa W. of Armijo. 7 July 1966.

279. Yucca

Liliaceae

Armijo. 20 July 1966.

280. Yucca baccata Torr.

det. Philip Simpson 1973

East Armijo along road. 20 July 1966. yellow
flowers.

281. Gutierrezia sarothrae

det J. Ruffin 1977.

GH

Along road, at Armijo. yellow flower.

282. Along road to Armijo. 22 July 1966. *Compositae*

Along road to Armijo. 22 July 1966.
Yellow fls.

283.

Along road to Armijo. 22 July 1966.

284

Along road to Armijo. fl. yellow.

285.

286.

Compositae

White flowers.

Along Road to Armijo. 22 July 1966.

LE 287.

Econ

Astragalus

Leguminosae

in fruit.

LE 288. Dalea formosa Torr.

Leguminosae

289.

Compositae

290.

Shrub.

291.

Shrub.

292. Along road to Armijo. 22 July 1966.

feathery shrub. no fls.

G# 293. Ephedra Torreyana Wats.

Ephedraceae

294. Haplopappus gracilis (Nutt.) Gray

Compositae

Rays yellow.

G# 295. Convolvulus incanus Vahl.

Convolvulaceae

Armijo tank by "En Medio" Rd. 23 July 1966.

296. Thlasperma megapotamicum

Compositae

Mesa at "En Medio" Collier Draw.
flowers yellow.

"Arroyo En Medio" 23 July 1966. Collier Draw.

- LF 297. Physalis macrohysa Rydb. Solenaceae

flowers yellowish.

298.

Solenaceae

"Jack o Lantern"
Arroyo.

299. Oenothera caespitosa Nutt. Onagraceae

wilted flowers bright pink. Arroyo bank. Thick taproot, perennial.

300. Bouteloua curtipendula ? Gramineae

GrH

Spikelets reddish-brown.

301. Asclepias macrotis Torr. Asclepiadaceae

Mesa top. fls. greenish-white.

Arroyo en Medio. Collier Draw. 23 July 1966.

302 Dyssodia acerosa

Compositae

Rays yellow. Mesa. Pendstone.

LE

GH

Econ

303. Eriogonum

Polygonaceae

Perianth cream-colored. Mesa top.

304.

Succulent. Perianth cream-colored.
Mesa top.

305.

Hairy plant. Mesa top.

LE 306. Dalea formosa

Leguminosae

Mesa.

"Arroyo En Medio" Collier Draw 23 July 1966.

307. Stenleya elata Jones

Cruciferae

flowers br. yellow. In arroyo.

308.

Compositae

5 Rays, lavender color. Arroyo.

309. Chrysothamnus

Compositae

310. Astragalus
Econ

Leguminosae

Tall herb. fls. yellowish cream.

GH 311. Gaura coccinea Nutt.

Herb. Red flowers.

312. Artemisia tridentata

Compositae

Arroyo En Medio. 23 July 1966. In bud.

313. Dalea
Econ

Leguminosae

Arroyo En Medio. Petals white. 23 July.

314.

Shrub 0.5 m. Arroyo En Medio. 23 July.

25 July 1966 Armijo Rd. to Rt 44.

315. Helianthus

Compositae

Econ

10 mi from Rt 44. Armijo Rd. Rays yellow.

Abronia?LE 316. ~~Abronia~~ sp. ?

10 mi. from Rt 44. Petals white, united.

Road to Armijo from Rt. 44. 25 July 1966.

317. Melampodium leucanthum Torr. + Gray. Compositae
 GH det E. Zardini. 1977.
 10 mi. from Rt 44. Rays white, disc yellow.

- GH
 ECON 318. Bouteloua Gramineae
 1 mi from Rt 44 on King Ranch.

319. Gramineae
 ECON 1 mi. from Rt. 44.

320. Agrostis? Gramineae
 ECON 1 mi. from Rt. 44.

321. Gramineae
 1 mi. from Rt. 44.

Road to Armiño. from Rt 44. 25 July 1966.

322. Agropyron
GH

Gramineae

1 mi. from Rt. 44.

LE 323. Psilostrophe
GH

det E. Zardini 1977.

10 mi. from Rt 44. 3 Rays.

LE 324. Dalea
Econ

Leguminosae

Perianth yellow. 2 mi from Rt 44.

325. Asclepias involucrata Cav.

Asclepiadaceae

5 mi. from Rt 44.

GH 326. Hoffmanseggia Jamesii Torr + Gray. Leguminosae

1 mi from Rt 44. Perianth yellow with red veins.

Road to Armiñ. from Rt. 44. 25 July 1966.
327.

2 mi. from Rt 44. 0.5 m. Perianth lavender.

328. Dalea

Leguminosae.

2 mi from Rt 44. Thick fleshy taproot.
fls. lavender.

329. Penstemon

Glt

2 mi from Rt. 44. fls. pink.

330.

flowers creamy, obscure. Sand dunes.

LE 331.

Econ

~~C.~~

2 mi from Rt 44. flowers purple-creamy.

G# 332. Dithyrea wislizeni Engelm.

Cruciferae

2 mi from Rt 44. Petals white.

333.

10 mi from Rt. 44.

334. Chenopodium Atriplex

Econ

Chenopodiaceae

2 mi from Rt 44.

LE 335. Haplopappus robustus

Compositae

1 m. Disc yellow. 10 mi. from Rt 44.

336. Mirabilis

Nyctaginaceae

Econ

Armiño. Petals pink.

Sandoval Co, N.M.

LF 337.
Econ

Amaranthus

Amaranthaceae

Armiño. Roots bright pink. 25 July 1966.

338. Croton texensis (Klotzsch) Muell.-Arg.

N. of Armiño. 1 m tall in small draw.

Box Canyon near Collier Ranch. 26 July 1966

GH 339. Datura meteloides DC.

Solanaceae

Jimson Weed.

By pond.

340. Celtis reticulata Torr.

Ulmaceae

Above pond on ledge. ^{immature} fruits green ^{drupe} ~~berry~~.
Shrub 2 m tall.

341. Gnaphalium?

Compositae

GH

Herb. on ledge. Fls. yellow-white.

Box Canyon near Gollier Ranch. 26 July 1966.

7
G#

342. Crepis

Compositae

det Elsa Zardini 1977.

On ledge over pond.

343.

Above pond on ledge. fls. lavender.

344.

Above pond on ledge.

G# 345. Parthenocissus inserta (Kerner) K. Fritsch. Vitaceae.
Virginia Creeper
Wetish seep.

G# 346. Prunus virginiana L.

Rosaceae

Wetish seep.

Box Canyon near Collier Ranch 26 July 1966.

LE 347. Cheilanthes cf. feei Moore

fern on ledge above pond.

GH 348. Ribes Cereum Dougl.

in wetish seep.

349. Bouteloua curtipendula

GH

Near water.

Gramineae

Econ 350. Juniperus

Wetish seep. Small tree.

Cupressaceae

LE 351.

Bottom of canyon.

26 July 1966.

352. Andropogon

Gramineae

Little Blue Stem

Wetish Deep. Box Canyon. near Collier ranch

353.

Arroyo edge near Collier Ranch. 26 July 1966.
fls. lavender.

354.

Mesa Edge near Collier Draw. 26 July.

^{LE}
Econ 355. Quercus

Fagaceae

Arroyo edge near Collier Draw.

GH 356. Splachnea parvifolia A. Nels.

Det. T. Plowman 1972.

Dry Lake.

26 July 1966.

357. Portulaca oleracea L.

Portulacaceae

Dry Lake bed.

358.

S

Glt

Dry Lake bed.

359.

Scroph?

Glt

Along road between Collier Ranch - Sandoval R.
fls. purple.ECON
Glt

361.

Baileya multiradiata Harv. + Gray. Compositae

Jerry's cave. Arroyo bed. fls. yellow.

Glt

362.

~~Cleome~~ Polanisia trachysperma Torr. + Gray. Cypripediaceae

Jerry's Cave. Arroyo Bed. foul odor!

26 July 1966. Jerry's Cove. Arroyo Bed, (Dry Wash)

363. Lolium

Gramineae

Econ

364.

Gramineae

365.

flowers purple.

1
GT 366. Baccharis salicina Torr. et Gray
det Elsa Zardini: 1977.

Shrub. 1 m. flowers cream.

GT 367. Salix argophyllo Nutt.

Salicaceae

Shrub 1 m. Arroyo Bed.

368.

"thistle"

Jerry's Cove. Arroyo Bed. Herb 1m.
flowers purple. 26 July 1966.

GH 369. Cleome serrulata Pursh.

Herb. 1.5 m. flowers purple. 26 July.
Jerry's Cove. Arroyo bed.

370. Gymnosperma glutinosum

Compositae

GH

det. J. Ruffin 1977.

Jerry's Cove. Arroyo Bed. 26 July 1966.
Yellow fls.

371.

Compositae

Jerry's Cove. Arroyo Bed. 26 July. fls. purple.

372. Nolina texana Wats.

Liliaceae

20 July 66. Base of Mesa Prieta eastern
edge, 1

373. Cercocarpus

Git

Road from Arunijo. In Draw. fl. white.
27 July 1966.

27 July 1966. Arroyo East of Sandoval Ranch.

374. Dalea

legum.

Git

375.

Dry wash.

Muhlenbergia pungens

376. Sporobolus?

Ecol

Gramineae

377. Stephanomeria tenuifolia

Compositae

27 July 1966. Arroyo East of Davis (Sandra).

378. Dalea
GH

379.

fls. irregular, whitish-purple.

380.

flowers white.

381.

382. *Echinocereus* sp.
GH

Cactaceae

26 July 1966. Box canyon near Collier
Ranch. on rocky ledge.

Marine Algae Collections Spring 1967.

383. Ascophyllum nodosum (Linn) Le Jolis Fucaceae

11 MARCH 1967

Nahant, Mass. (off summer st.)

Upper intertidal, on rocks.

384. Fucus vesiculosus Linnaeus Fucaceae

11 March 1967

Nahant, Mass. Upper intertidal.

385. Pilysiphonia lanosa (Linn) Tenby Rhodomelaceae

11 March 1967

Nahant, Mass.

Epiphyte on Ascophyllum in intertidal zone.

Nahant, Mass.

386. Chondria sp.

Rhodomeniaceae

11 March 1967.

Nahant, Mass.

On rocks, intertidal zone.

387.

11 March 1967

Nahant, Mass.

388. Rhodomenia palmata (Linn) Gréville Rhodomeniaceae

11 March 1967.

Nahant, Mass.

Attached to rocks in shallow tide pools.

389. Ulothrix flexa (Dillwyn) Thuret Ulothrichaceae

11 March 1967

Nahant, Mass.

Growing in tufts on rocks in tide pool.

392. Scytosiphon lomentaria (Lyngbye) C. Agardh Punctariaceae

11 March 1967.

Nahant, Mass.

Lower intertidal. Attached to mussels (Mytilus) in tide pools.

393. Punctaria 12-folia Grunille.

11 March 1967

Nehant, Mass.

Attached to Mussels in tide pool. Intertidal.
Thallus light brownish-green.

394. Monostroma

Ulveaceae

11 March 1967.

In tide pool. Intertidal.

395. Laminaria

Laminariaceae

11 March 1967.

Nehant, Mass.

In deep tide pool, intertidal zone. Upper limit.
immature specimen.

396. Dumontia incrassata (O.F. Müller) Lamouroux

Dumontiaceae

11 March 1967.

Nehant, Mass.

Low intertidal tide pools, attached to rocks.
Thallus dark red. (fading to white in 3% formal.)

397. Chondrus crispus Stackhouse Gigartineaceae.
 11 March 1967.
 Nahant, Mass. Growing in rock pools. Inter-
 tidal (lower).

398. Corallina officinalis L. Corallinaceae.
 11 March 1967.
 Nahant, Mass.
 Intertidal rock pools.

399. Chzeto morpho Cladophoraceae
 11 March 1967.
 Nahant, Mass.
 Epiphytic on Corallina officinalis.
 Attached by basal holdfast cell to intergenicular
 area.

400. Fucus vesiculosus L. Fucaceae.
 14 April 1967.
 Nahant, Mass.
 On rock, 5 ft. above low tide.

401. Fucus vesiculosus L. Fucaceae
 14 April 1967.
 Nahant, Mass.
 On rocks.

402. Ascophyllum nodosum (Linn.) Le Jolis Fucaceae
 14 April 1967.
 Nahant, Mass.
 On rocks. Exposed at low tide.

403. Ascophyllum nodosum (Linn.) Le Jolis Fucaceae
 14 April 1967.
 Nahant, Mass.
 On rocks. Exposed at low tide.

404. Ascophyllum nodosum (Linn.) Le Jolis Fucaceae
 22 April 1967
 Nahant, Mass.
 Mid intertidal.

405. Fucus vesiculosus L. Fucaceae
 22 April 1967.
 Nahant, Mass.
 Mid intertidal. On large flat rocks.

406. Ascophyllum nodosum + Polysiphonia lzuosa
 22 April 1967
 Nahant, Mass.
 Low intertidal. On vertical face of
 rock. P. lzuosa epiphytic on A. nodosum

407. Chondrus crispus Steedman Gigartineae
 22 April 1967.
 Nahant, Mass.
 Lower intertidal zone, exposed partially
 at low tide.

408. Podophyllum peltatum L. Berberidaceae
 8 May 1967.
 Harrisburg, Pa.
 8 mi. east of city in woodland hollow.
 (Plummer home).

409. Rhodymenia palmata (L.) Gréville. Rhodymeniaceae
 29 April 1967.
 Nahant, Mass.
 Lower intertidal. On rocks.

410. Laminaria digitata (L.) Lamouroux Laminariaceae
 29 April 1967.
 Nahant, Mass.
 Beneath low tide level.

411. Porphyra Brugiaceae
 11 March 1967
 Nahant, Mass. Intertidal. On rocks.

412. Agarum cribrosum (Mertens) Borg. Laminariaceae
 18 March 1967
 Crescent Beach, Maine.
 washed ashore.

413. Fucus edentatus De la Pyllie Fucaceae
 22 April 1967.
 Nahant, Mass.
 Mid intertidal, on rocks.

Collections from Harrisburg, Pennsylvania.
 May 8-9, 1967.

414. Chaenomeles sinensis Koehne Rosaceae
 Econ "fire bush"
 Cult. in garden. Petals pink-orange.
 Shrub 8 ft. tall.

415.

"primrose"
 Cult. in garden (K. Plummer). Herb up to
 20 cm. high.

Dauphin Co, Pa.

416. Berberis Berberideaceae
 Econ "barberry"
 Shrub 1 m. high. Petals yellow. Cult. in
 Garden.

417. Acer platanoides L. Aceraceae
 Econ "maple"
 Tree 15 m. high. Petals yellow-green.
 Along Concord St.

418. Rosaceae
 "apple"
 Tree 5 m high. Petals white. Cult. in
 Garden.

419. Lamium purpureum Labiate
 Econ Econ
 Herbs to 20 cm tall. Weed in field,
 Hickory Lane. Corolla pink-lavender.

420. Euonymus alatus Sieb. Celastraceae
 Econ
 Shrub 1.5 m high. Cult. in garden.
 In bud.

421. Salix nigra
Econ "Willow"

Salicaceae

Tree 20-30 m. high. Cult. along
Willow Rd.
In fruit.

422. Syringa persica L.
Econ "Persian lilac"

Oleaceae

Shrub 4 m high. Corolla lavender.
Cult. in garden.

423. Calyculanthus floridus L.
Econ "sweet shrub"

Calyculanthaceae

Shrub 4-5 m tall. Calyx and corolla
dark brown-mahogany color. Aromatic
scent. Cult. in garden.

424. Barbarea vulgaris
Econ "wild mustard"

Cruciferae

Herb to 0.5 m high. Petals bright
yellow. Growing in field. Weed.

425.
GH

Cruciferae.

Herb 10-20 cm. Petals white. Garden
weed.

426. Epimedium
ECON

Berberidaceae

Herb 20 cm tall. Cult. in garden
(Hickory Lane). Corolla yellow.

427. Cercis canadensis
ECON "Red bud."

Caesalpinaceae

Tree 6 m high. Petals pink. Cult.
along road.

428. Staphylea trifolia L.
ECON "Bladder nut"

Staphyleaceae

Small tree 5-6 m tall. Growing on bot-
tomland along Beaver Creek.
Petals greenish-yellow.

429.

"Bush honeysuckle."

Caprifoliaceae

Cult. Shrub 1-2 m. Petals yellow.

430. Myosotis
ECON

"forget-me-not"

Botanaceae

Herb 20 cm. Cult. in garden.
Petals blue.

431. Tulipa Liliaceae
 "tulip"
 Herb 35 cm. Corolla-Calyx yellow.
 Cult.

432. Carex? Sedge
 Herb 40 cm tall. Growing in wet
 place in woods.

433. Ribes Grossulariaceae
 Gooseberry
 Shrub 1.5 m. tall. Cult. in woodland.
 Corolla greenish-yellow.

434. Dicentra spectabilis Papaveraceae
 "Bleeding Heart" (Fumariaceae)
 Herb 0.70 m. tall. Corolla pink
 Cultivated in garden.

435. Dicentra eximia Fumariaceae
 "Small Bleeding Heart"
 Herb 30 cm tall growing in wooded
 areas. Cultivated. Corolla pink.

Deuphin Co., Pa.

436. Veronica Serpyllifolia L.
Econ

Small herb 20 cm. Petals white.
Weed.

437. Convallaria Liliaceae
"Lily of the Valley"
Herb cult. in woods. 20 cm tall.
Perianth white.

438. Erythronium Liliaceae
"Dogtooth Violet"
Woodland herb, 15-20 cm tall.
Jacks Woods. Fruit.

439. Anemonella thalictroides Ranunculaceae
Econ "Rue Anemone"
Small herb 10 cm tall. Growing
on woodland slope. Petals white.

440. Asarum Bristolchiaceae
"Wild Ginger"
Growing along Beaver Creek in
Bottomland. Herb 8-10 cm, creeping.

441. Alliaria officinalis Cruciferae
 Econ "Garlic Mustard"
 Rank herb, smell of garlic. $\frac{1}{4}$ meter.
 Weed in garden. Petals white.

442. Lindera benzoin Lauraceae
 Econ Spicebush
 Shrub 2 m tall. Aromatic. Growing
 in open woods. Also cult.

443.
 GH Herb 20 cm tall. growing in wet
 place in woods.

444. Fragaria
 Strawberry.
 Herb 15 cm tall. Escaped from cult.
 in Gregor's field. Petals white.

445. Aquilegia canadensis Ranunculaceae
 Columbine

Herb cult in rock garden. 20-30 cm.
 Corolla red.

Deuphin Co, Pa.

446. Leucojum aestivum L.

Amaryllidaceae

Econ "Snowdrops"

Herb 30 cm high. Cult in garden.

447. Clytonia virginica L.

Portulacaceae

Econ "Spring beauty"

Herb 15 cm. In moist woods near Beaver Creek. Petals white, striped with pink.

448. Saxifraga virginiana

Saxifragaceae

Econ "Saxifrage"

Herb 30 cm tall growing on hillside. Miller's woods. Petals white.

449. Mertensia virginica (L.) Pers.

Boraginaceae

Econ "virginia bluebells"

Herb to $\frac{1}{2}$ m. Cult along stream. Corolla blue, pink when immature.

450. Geranium maculatum L.

Geraniaceae

"Will Geranium"

Herb 30 cm tall. In woods. Petals lavender.

451. Quercus palustris Moenchh. Fagaceae
 "Pin Oak"
 Tree 20 m high growing on hillside.
452. Narcissus pseudo-narcissus L. Amaryllidaceae
 Ecol "Daffodil"
 Cult. herb. 30 cm tall. Perianth yellow.
 In garden.
453. Vinca minor L. Apocynaceae
 "Myrtle"
 Cult. herb, creeping, 15-20 cm high.
 Corolla blue. On hillside.
454. Ranunculus septentrionalis Ranunculaceae
 "Swamp buttercup."
 Low herb, 10-15 cm, growing in wet
 places. Petals yellow.
455. Phlox Polemoniaceae
 Ecol "wild phlox"
 Growing along Beaver Creek. Herb 30 cm
 tall. Corolla blue-white.

Dauphin Co., Pa.

456. Phlox

Polemoniaceae

Small herb from creeping root stalk.
On hillside in Miller's Woods. Corolla
white. 8 cm.

457. Tulipa
"tulip"

Liliaceae

Herb cult in garden. to 0.5 m. Perianth
white.

458. Osmorhiza

Umbelliferae

"sweet cicely": "U. H. licorice"

Herb to 0.5 m. growing in woodland.
Common. Petals white.

459. Dentaria

Cruciferae

"toothwort"

Herb 30 cm tall growing in woodland.
Petals white.

460. Euphorbia cyparissias
"Cypress spurge"

Euphorbiaceae

Herb 30 cm tall growing on hillside
(coll.). Highly dermatotoxic. Bracts yellow.

461. Cornus Cornaceae
 "flowering dogwood"
 Small tree 6-7 m. tall. Woodland.
 Bracts white, showy.

462. Adiantum pedatum L.
 "maidenhair fern"
 Cult. in rock garden.

463. Sorbaria sorbifolia (L.) A. B. Rosaceae
 Shrub cult. in garden. Petals white.

464. Ranunculus abortivus
 Econ
 Herb growing in wet area. 20 cm.

465. Cerastium bulbosa
 Econ
 Herb 20 cm growing as a weed in
 garden

HARRISBURG, PA. May 9, 1967.

466. Viola pedata Violaceae
Econ "Bird's foot violet"

Growing at edge of Gregor's field.
Lower petals purple, upper petals
light violet. 10 cm.

467. Viola Violaceae
"Canadian violet"
Herb cult. in garden, to 30 cm tall.
Corolla pink-lavender.

468. Viola papilionacea Violaceae
Econ "Blue violet"
Herb 15 cm cult. in garden. Also
growing wild in wet woods. Corolla blue

469. Viola pennsylvanica Violaceae
Econ "Yellow violet"
Herb to 30 cm. Growing in wood-
land. Corolla yellow.

COLLECTIONS FROM VICINITY OF ITHACA, NEW YORK

FALL, 1965.

DOLL HILL, 26 September470. Aster prænanthoides Compositae

Doll Hill 26 September 1965.

In alluvial streambed. rays lavender.

471. Solidago rugosa Compositae
Doll Hill.
Alluvial streambed. rays yellow.472. Solidago latifolia Compositae
Alluvial streambed. Rays yellow.473. Aster divaricatus Compositae
Doll Hill. 26 Sept.
Rays white.474. Aster lateriflorus Compositae
Doll Hill. In dry woods. Rays white.

26 September 1965.

475. Aster Lowrieanus

Compositae

D. H. Hill. Dry woods. Rays lavender.

476. Aster undulatus

Compositae

D. H. Hill. Dry woods. Rays lavender.

477. Solidago nemoralis

Compositae

D. H. Hill. Dry woods. Rays yellow.

478. Solidago juncea

Compositae

D. H. Hill. Dry meadow. Rays yellow.

479. Solidago bicolor
"Silver Rod"

Compositae

D. H. Hill. Dry woods. Rays cream-color
to white.

480. Solidago graminifolia

Compositae

D. H. Hill. Dry meadow. Rays yellow.

481. Aster novae-angliae Compositae
 "New England Aster"
 Don Hill. Dry woods at top of hill.
 Rays deep purple.

482. Gentiana quinquefolia Gentianaceae
 Don Hill. Dry meadow. Corolla pale lavender.

~~483. Acer rubrum~~ Ring wood Swamp. 28 September 1965.

483. Acer rubrum Aceraceae
 "Red maple"
 Moist woods. Tree 12 m high.

484. Gaultheria procumbens Ericaceae
 "Wintergreen"
 Low perennial herb. Moist woods.

485. Mitchella repens Rubiaceae
 "Partridgeberry"
 Moist woods. Berry bright red. Prostrate herb.

Ringwood. 20 September 1965.

486. Fagus grandifolia Fagaceae
 "Beech"
 Large tree in moist woods.

487. Epifagus virginiana Orobanchaceae
 "Beech drops"
 Moist woods under Fagus grandifolia
 Parasitic herb.

488. Hamamelis virginiana Hamamelidaceae
 "Witchhazel"
 Shrub 3 m. moist woods.

489. Rubus hispidus Rosaceae
 "doeberry."
 Prostrate shrub 20 cm. Moist woods.

490. Castanea dentata
 "American chestnut"
 Small tree 2-5 m. Moist woods.

491. Quercus borealis Fagaceae
 Tree 15 m. in moist woods.

Ringwood

492. Betula lutea

Betulaceae

"yellow birch"

Tree 15 m. Moist woods.

493. Azonalia acuminata

Azoniaceae

"Cucumber tree"

Small tree, 4 m. tall in moist woods.

494. Coptis trifolia

Ranunculaceae

Perennial herb; yellow rhizome. in moist woods.

495. Pinus strobus

Pinaceae

"White Pine"

In moist woods. Small tree.

496. Epigaea repens

Ericaceae

"Arbutus"

Prostrate shrub. Dry woods.

497. Cornus canadensis

Cornaceae

"Cornel"

11 cm high. Dry woods.

Ringwood Sept. 28, 1965.

498. Aster undulatus

Compositae

Moist woods. Herb. Rays pale violet.

499. Aster cordifolius

Compositae

Moist woods. Herb. Rays pale lavender.

500. Aster acuminatus

Compositae.

Herb. moist woods. Rays white.

Collections from South Hill, Ithaca,
New York. 30 September 1965.

501. Corylus pruinosa (Wendl.) K. Koch Rosaceae.

Dry woods. Shrub 5 m. Fruit red.

502. Potentilla recta L.

Rosaceae

"Rough fruited cinquefoil"

Herb. Dry meadow. Petals yellow.

South Hill Sept. 30, 1965.

503. Polygala sanguinea L.

Polygalaceae

"field milkwort"

Herb 18 cm. in dry meadow. Petals magenta turning white.

504. Cornus racemosa Lam.

Cornaceae

"Grey dogwood"

Shrub in meadow. Drupe white.

505. Sedum triphyllum (Haw.) S. f. Gray.

Cressulaceae

"ORPINE"

Along fence row. Fleshy herb.

506. Ranunculus aeris L.

Ranunculaceae

"All field Buttercup"

Herb in meadow. Petals yellow.

507. Linaria vulgaris Hill.

Scrophulariaceae

"Butter and Eggs"

45 cm herb. in meadow. corolla yellow.

508. Houstonia caerulea L.

Rubiaceae

"Bluebells"

Herb 13 cm. Petals light-blue. Meadow.

509. Hypericum perforatum L. Hypericaceae
 "St. John's Wort"
 Herb in meadow. in fruit.

510. Quercus velutina Lam. Fagaceae
 "northern black oak"
 Tree in dry woods. 2 October 1965.
 South Hill, Ithaca, New York 2 October 1965.

511. Aster divaricatus L. Compositae
 "white woodland aster"
 Herb .83 m tall. Rays pale lavender. Dry meadow.

512. Ceanothus americanus L. Rhamnaceae
 "New Jersey Tea"
 Low shrub in dry woods.

513. Viburnum dentatum Cypripodiaceae
 Shrub in dry meadow.

514. Phalaris arundacea L. Gramineae
 "Reed canary grass"
 Dry woods. Tall herb.

South Hills, 2 October 1965.

515. Populus tremuloides Michx.

Salicaceae

"Trembling aspen"

Dry woods. Small tree.

516. Viburnum dentatum L.

"arrowwood"

Shrubby shrub 37 cm. Dry woods.

517. Quercus prinus L.

Fagaceae

Chestnut oak.

Tree in dry woods.

518. Amelanchier arborea (Michx.f.) Fern. Rosaceae

"Shadbush"

Large shrub. Dry woods.

519. Pyrus communis L.

Rosaceae

"Common pear"

Small tree. Dry woods.

520. Robinia pseudo-acacia L.

Leguminosae

"Black locust"

Tree 10 m. Dry woods.

521. Prunus serotina Ehrh. Rosaceae
 "Wild black Cherry"
 Small tree. in dry woods.
522. Pyrus melanocarpa (Michx.) Willd. Rosaceae
 "chokeberry"
 Shrub. dry woods.
523. Rosa carolina L. Rosaceae
 "dwarf rose"
 Small shrub. dry meadow.
524. Smilax herbacea L. Liliaceae.
 "Carrion flower"
 Vine in dry woods.
525. Salix rigida Muhl. Salicaceae
 "tough willow"
 Shrub in dry woods.
526. Pinus rigida Mill. Pinaceae
 "Pitch pine".
 Tree 5 m in dry meadow.

527. Apocynum androsaemifolium L. Apocynaceae
 "Spreading dogbane"
 Herb 60 cm. in dry woods.
528. Achillea millefolium L. Compositae
 "Yarrow"
 Herb. meadow.
529. Lysimachia quadrifolia L. Primulaceae
 "Whorled loosestrife"
 Herb. Dry woods.
530. Prunus americana L. Oleaceae
 "American 2h."
 Tree in woods.
531. Prunus virginiana L. Rosaceae
 "Chokecherry."
 Shrub. in wooded area.
532. Acer rubrum L. Aceraceae
 "Red maple"
 Tree in woods.

South Hill

533. Cornus racemosa Linn. Cornaceae
 "Grey dogwood"
 Shrub 3m in meadow.

534. Vaccinium stamineum L. Ericaceae
 "Deerberry"
 Large shrub. Dry woods.

535. Vaccinium angustifolium L. Ericaceae
 "Early Upland Blueberry"
 Shrub in woods.

536. Vaccinium corymbosum L. Ericaceae
 "Highbush Blueberry"
 Large shrub

537. Salix rigida Muhl. Salicaceae
 "tough willow."
 Shrub in woods.

538. Vaccinium stamineum L. Ericaceae
 "Deerberry"
 Wood land.

South Hill (cont.)

539. Waldsteinia fragarioides (Michx.) Tratt. Rosaceae
 "barren strawberry"
 low herb with creeping rhizome. Dry woods.
540. Polygala paucifolia Willd. Polygalaceae
 "fringed Polygala"
 low herb in woods.
541. Amelanchier intermedia Spach Rosaceae
 "Shadbush"
 woodland shrub.
542. Rhododendron nudiflorum (L.) Torr. Ericaceae
 "Pink Azalea"
 Small shrub in woods.
543. Quercus alba L. Fagaceae
 "white oak"
 large tree. in woods.
544. Quercus borealis Michx. f. Fagaceae
 "Northern Red Oak"
 large tree. woodland.

545. Quercus velutina Lam. Fagaceae
 "Black oak"
 Tree.

546. Juniperus virginiana L. Cupressaceae
 "Red Cedar"
 Small tree 3 m. in dry woods.

Collections from Mount Pleasant, Ithaca,
 New York. 5 October 1965.

547. Aster novae-angliae Compositae
 Dry field. Herb. Rays lavender.

548. Daucus carota L. Umbelliferae
 "Wild Carrot"
 Herb. in dry field.

549. Fragaria virginiana Duch. Rosaceae
 "Wild Strawberry"
 Herb in field.

550. Potentilla simplex Rosaceae
 "Cinquefoil"
 Herb. Dry field.

Mount Pleasant, 5 Oct 1965.

551. Solidago graminifolia

Compositae

Herb. in open field.

552. Solidago altissima

Compositae

tall golden rod.

tall herb. open field.

553. Hieracium aurantiacum

Compositae

"orange hawkweed."

herb.

554. Prunus domestica

Rosaceae

Plum.

Old field. Tree.

555. Populus tremuloides

Salicaceae

"trembling aspen"

Dry field.

556. Corylus punctata

Rosaceae

hewthorn.

Dry field. Tree.

Mount Pleasant

557. Cornus racemosa

Cornaceae

"Grey dogwood"

Dry field. Shrub.

558. Pyrus malus

Rosaceae

"Apple."

Tree in dry field.

559. Aster simplex

Compositae

"Whitefield aster"

Open field. Herb.

560. Viburnum dentatum var. lucidum

Cepifoliaceae

"Amorwood"

Dry field. Shrub.

561. Fraxinus americana

Oleaceae

"white ash"

Tree.

562. Prunus serotina

Rosaceae.

"Black cherry"

Dry field.

Mount Pleasant

563. Rhamnus cathartica

Rhamnaceae

"Buckthorn"

Small tree. Fruits black.

564. Pteridium aquilinum

Polypodiaceae

"Brecken."

Dry field.

565. Rubus idaeus

Rosaceae

"red raspberry"

Dry hill side.

566. Carlina vulgaris

Compositae

Herb. in meadow. introduced from Europe.

Collections from South Hill, 7 October 1965.

567. Meizanthemum canadense

Liliaceae

"felce lily of the valley"

Dry woods. Low herb.

568. Veronica officinalis

Scrophulariaceae

"Speedwell"

Creeping herb. woods.

South Hill 7 Oct 1965.

569. Viburnum dentatum

Arrowwood.

Shrub. 2 m.

Caprifoliaceae

570. Rubus hispidus

Dewberry

Wood.

Rosaceae

571. Vaccinium corymbosum

High bush blueberry.

Shrub 3 m.

Ericaceae

572. Vaccinium stamineum

Shrub 1.2 m. Dry woods.

Ericaceae

573. Penstemon digitalis

"Beard tongue"

Herb.

Scrophulariaceae

574. Gaylussacia procumbens

"Aromatic wintergreen"

Edge of woods.

Ericaceae

South Hill 7 Oct 65

575. Aster divaricatus

Compositae

Meadow. herb.

576. Viburnum dentatum
Arrowwood.
Shrub.

Caprifoliaceae

577. Solidago altissima
"tall golden rod"
Herb. Dry field.

Compositae

578. Salix humilis
Willow.

Salicaceae

579. Equisetum arvense
Horsetail.
Marshy area. Low herb.

Equisetaceae

580. Epigaea repens
Arbutus
Dry woods.

Ericaceae

581. Solidago juncea

Compositae.

field. Herb. Rays yellow.

McLean Bog, McLean, New York. 12 October 1966.

582. Salix sericea

Salicaceae

Silky willow

~~Big~~ Marshland Shrub.

583. Vaccinium macrocarpon

Ericaceae

cruberry

Bog.

584. Alnus incana

Betulaceae

speckled alder

Shrub 2 m. Growing in ~~big~~ marsh.

585. Rubus signatus

Rosaceae

In marsh.

586. Rhynchos alnifolia

Rhamnaceae

Swamp buckthorn.

Swamp Shrub. 3 m.

McLean Bog. 12 Oct 1965

587. Andromeda polifolia sp. glaucophylla Ericaceae
Bog Rosemary.
Small shrub. in Sphagnum Bog.

588. Chamaedaphne calyculata Ericaceae
leather leaf.
Small shrub. in Sphagnum Bog.

589. Ledum groenlandicum Ericaceae
Labrador tea.
Small shrub. in Sphagnum bog.

590. Vaccinium oxycoccus Ericaceae
Small Cranberry.
in Sphagnum bog.

591. Vaccinium corymbosum Ericaceae
high bush blueberry.
High shrub, edge of bog.

592. Eriophorum vaginatum sp. spissum Cyperaceae
Cotton grass.
Sphagnum bog.

McLean Bog. 12 October 1965.

593. Rhynchospora alba
"White Beak Rush."
in Sphagnum bog.

Cyperaceae

594. Vaccinium mytilloides

Ericaceae

Small shrub at edge of bog.

595. Viburnum cassinoides
"Withe-Rod"
On edge of bog.

Ceprifoliaceae

596. Dulichium arundinaceum

Cyperaceae

In Bog.

597. Ribes glandulosum
"Skunk Current."

Saxifragaceae

Near Sphagnum bog in woods.

598. Nemopanthus mucronata
"Mountain Holly"

Aquifoliaceae

Edge of sphagnum bog. Large shrub.

McLean Bog. 12 October.

599. Iris versicolor

"Blue flag."

Edge of marsh.

Iridaceae

600. Dryopteris cristata

"Swamp shield fern"

open marsh.

Polypodiaceae

601. Aster junceus

edge of marsh on non-inundated ground.

Compositae.

602. Ilex verticillata

"Deciduous Holly."

Edge of Sphagnum bog.

Aquifoliaceae

603. Malva

"Mallow."

Herb. Growing in open field along road.

Malvaceae

604. Lycopodium obscurum

"Ground pine"

Growing in rich woods.

Lycopodiaceae

- McLean, Bq.
605. Lycopodium lucidulum Lycopodiaceae
Club moss.
Wooded Slope.
606. Lycopodium clavatum Lycopodiaceae
running pine.
Rich woods.
607. Borychium dissectum Ophioglossaceae
Grape fern.
in open woods. herb.
608. Lobelia inflata Lobeliaceae
indian tobacco.
in open field. herb.
609. Mentha spicata Labiatae
Spear mint.
In cold stream. herb.
- Collections from Great Gully 10 October 1965
610. Hamamelis virginiana Hamamelidaceae
witch hazel
large shrub. in woods.

Great Gully 10 Oct. 1965.

61. Alisma plantago-aquatica Alismaceae
 water plantain.
 in stream. Herb.
612. Acer spicatum Aceraceae
 Mountain Maple.
 Northern slope - woods. Small tree.
613. Carpinus caroliniana Burseraceae.
 "Ironwood"
 Along stream in woods. Small tree.
614. Dirca palustris Thymelaeaceae
 "leatherwood"
 Bottom lands. Small tree.
615. Hybanthus concolor Violaceae
 Green Violet
 Bottomland. Tall herb.
616. Gentiana quinquefolia Gentianeaceae
 Closed Gentian.
 field in bottomland along stream.
 Tall herb.

Great Gully, 10 October 1965.

617. Cornus alnifolia Cornaceae
 Alternate leaf dogwood.
 Small shrub. Bottom land.

618. Elymus Gramineae
 Bottom land, open area. Herb.

619. Menispermum canadense Menispermaceae
 Moonseed.
 in Open bottomland. Vine.

620. Solanum dulcamara Solanaceae
 European nightshade
 Secondary. Open bottomland.

621. Hypericum punctatum Hypericaceae
 Bottomland. fall herb.

622. Crepis capillaris Compositae
 Hawks beard.
 open area near stream. Herb.

623. Phalaris arundinacea

Gramineae

Bottom land. Tall herb.

624. Lindera benfoin
Spicebush.
Bottom land.

Lauraceae

625. Triostema aurantiacum
"horse gentian"
Coarse herb. Bottom land.

Cyrtolobiaceae

626. Hystrix patula
"bottle brush Grass."
tall herb.

Gramineae

627. Cynanchum nigrum
"Black Swallowwort"

Asclepiadaceae

Vine. In wooded bottom land.

628. Paxus baccata ssp. canadensis
"American Yew"
Running shrub.

Taxaceae

629. Carex platyphylla Cyperaceae
Bottomland woods. herb.
630. Equisetum arvense Equisetaceae
Common horsetail.
along stream.
631. Gesnerium Robertsiai Gesneriaceae
in stream bed.
632. Equisetum hyemale Equisetaceae
Souring rush.
wet hillside,
633. Dryopteris Goldiana Polypodiaceae
Goldie's fern.
Glen.
634. Allyrium pycnocarpon Polypodiaceae
Narrow leaved spleenwort.
Glen. Bottomland.

635. Botrychium virginianum Ophioglossaceae
Rattle Snake fern.
Woodland glen.
636. Mentha piperata Labiatae.
peppermint.
in stream bed. herb.
637. Prunella vulgaris Labiatae.
self-heal.
638. Apocynum cannabinum Apocynaceae
Indian Hemp.
Stream bed. Tall herb.
639. Phegopteris hexagonoptera Polypodiaceae
Broad beech fern.
Glen.
640. Dryopteris spinulosa ssp. intermedia Polypodiaceae
Spinulose wood fern.
woodland

Great Gully. 10 Oct 1965.

641. Acer nigrum
Sugar maple.
Bottomland. large tree.

Aceraceae

642. Acer nigrum
Sugar maple.
Bottomland. large tree.

Aceraceae

643. Acer nigrum
Sugar maple.

Aceraceae

644. Liriodendron tulipifera
tulip tree.
large tree in bottomland.

Asquodiaceae

645. Camptosorus rhizophyllum
"walking fern."
on rock with moss.

Polypodiaceae

646. Cystopteris bulbifera
bulb fern.
Bottomland.

Polypodiaceae

647. Adiantum pedatum
maidenhair.
in hillside woods.

Polypodiaceae

Great Gully.

648. Solidago caesia

Compositae

Southern woodland slope.

649. Dryopteris marginalis
"Marginal Shield fern"
bottomland.

Polypodiaceae

650. Polystichum acrostichoides
"Christmas fern"
Hillside woods.

Polypodiaceae

651. Rhus aromatica
"Aromatic Sumac."
Southern Slope. Shrub.

Anacardiaceae

652. Cornus rugosa
"Round leaved dogwood."
Woodland. Small tree.

Cornaceae

653. Actaea pachypoda
"Doll's Eyes"
Bottomland slope. Herb.

Ranunculaceae

Great Gully.
 654. Lepelica nobilis ssp. acutaloba Renunculaceae
 Overleaf.
 Northern Slope. Herb.

655. Aristolochia canadense Aristolochiaceae
 Wildfinger.
 Bottomland. Herb.
 South Hill 14 October 1965

656. Ulmus americana Urticaceae
 American Elm.
 Small tree in meadow.

657. Fraxinus americana Oleaceae
 White Ash.
 Small tree in meadow.

658. Ceanothus americanus Rhamnaceae
 New Jersey tea.
 Sweet Shrub.

659. Salix humilis Salicaceae
 Shrub.

South Hill, 14 Oct 65.

660. Vaccinium stamineum

Ericaceae

Shrub 1m. tall in young woods.

661. Vaccinium angustifolium

Ericaceae

Shrub in field.

662. Acer pensylvanicum
"Striped maple"
Sour tree.

Aceraceae

~~663.~~ Ringwood Swamp, 19 October 1965.

663. Bidens cernua
Nodding stickseed.

Compositae

In woodland margin. tall herb.

664. Bidens coronata

Compositae

Marshy area. Herb.

665. Smilax hispida
"Cat Brier"

Smilacaceae

Scented Shrub. In woods. Berry blue-black

Ringwood 19 Oct 1965.

666. Ilex verticillata

Aquifoliaceae

Deciduous Holly.

Fruits red. Shrub.

667. Viburnum alnifolium

Caprifoliaceae

Shrub 6 ft high, in woodland.

6 Six Mile Creek 26 October 1965 (Ithaca, N.Y.)

668. Poa annua

Gramineae

Along roadside. Herb.

669. Juncus inaequalis

Juncaceae

Path rush.

Along path. Herb.

670. Sambucus canadensis

Caprifoliaceae

"Black Elderberry"

Along stream. Shrub to 3 m.

671. Clematis virginiana

Ranunculaceae

"Clematis"

Vine-herbaceous.

Six Mile Creek, 26 Oct 1965.

672. Nasturtium officinale

"Water Cress"

Growing in stream.

Cruciferae

673. Salix rigida

"Tough Willow"

Along stream. Shrub. 3 m.

Salicaceae

674. Populus deltoides

"Cottonwood"

Woodland area. Large tree.

Salicaceae

675. Hypericum perforatum

"St. John's Wort"

Tall herb.

Hypericaceae

676. Doctylus glomerata

Herb along stream.

Gramineae

677. Rumex obtusifolius

Edge of stream. tall herb.

Polygonaceae

- Six Mile Creek
 678. Waldsteinia fragarioides Rosaceae
 Barren strawbed
 Low herb in woods.
679. Rhus typhina Anacardiaceae
 Staghorn Sumac.
 Tall shrub.
680. Rubus allegheniensis Rosaceae
 "Blackberry"
 Roadside. Scandent shrub.
681. Carex pediculata Cyperaceae
 Herb. moist woods.
682. Carex plantaginifolia Cyperaceae
 Herb. moist woods.
683. Equisetum hyemale Equisetaceae
 "Scouring Rush"
 Wet hillside in woods.

684. Lycopodium complanatum
 "Lowersfoot"
 Woodland herb.

Lycopodiaceae.

South Hill 21 October 1965.

685. Lycopodium obscurum
 "Ground Pine"
 Dry woods.

Lycopodiaceae

686. Salix rigida
 Shrub.

Salicaceae

687. Salix humilis
 Shrub.

Salicaceae

688. Ilex verticillata
 "Deciduous Holly"
 Shrub.

Aquifoliaceae

689. Viburnum acerifolium
 "Hedge leaved Viburnum"
 Shrub.

Caprifoliaceae

South Hill,

690. Quercus bicolor
Swamp white oak.
Tree.

Fagaceae

691. Pyrus coronaria L.
Wild Crabapple.
Small tree.

Rosaceae

692. Syringa vulgaris
Common lilac
Shrub 1-2 m.

Oleaceae

693. Prunus pensylvanica L.
"Pin Cherry."
Large shrub.

Rosaceae

694. Prunus Avium L.
"Sweet Cherry"

Rosaceae

Bottomland near mouth of Fall Creek, Cayuga Lake,
Ithaca. 2 NOVEMBER 1965.

695. Salix alba
White willow.
~~Shrub~~ Tree.

Salicaceae

Lake Cayuga. Ithaca. 2 Nov 65.

696. Echinocystis lobata Cucurbitaceae
 Will Cucumber.
 Herbaceous vine. Fruits green.

697. Acer negundo Aceraceae
 "Ash leaved Maple, Box Elder"
 Small tree.

698. Viburnum opulus Caprifoliaceae
 Cranberry Bush.
 Shrub 1-2 m. Berries red.

699. Ribes americanum Saxifragaceae
 "American Wild Black Current"
 Shrub.

700. Morus alba Moraceae
 White Mulberry.
 Tree.

701. Vitis vulpina Vitaceae
 Fox Grape.
 Herbaceous vine. Fruits blue-black.

Lake Cygnus, Ithaca. 2 Nov 65.

702. Rubus occidentalis

"Black Cap."

Scandent Shrub.

Rosaceae.

703. Cornus amomum

"Silky Dogwood"

Cornaceae

704. Acer saccharinum

Silver Maple.

Large Tree. Bottomland.

Aceraceae

705. Lythrum salicaria

Purple loosestrife.
Along shore of lake.

Lythraceae

706. Scutellium orientale

Cocklebur

Along Shore. Herb.

Compositae

707. Myriophyllum spicatum

Water milfoil.

var. collescens

Haloragidaceae

Living in Lake Cygnus. Herb aquatic.

Lake Cayuga, Ithaca. 2 Nov 65.

708. Phalaris arundinacea

Reed Grass.
Bottomland.

Gramineae

709. Fraginus pensylvanicum

"Red Ash."
Small tree.

Oleaceae

710. Salix purpurea

"Basket Willow."

Shrub along shore of lake.

Salicaceae

711. Duchesnea indica

"Indian Strawberry."
Herb.

Rosaceae.

712. Ligustrum vulgare

"Privet"

Shrub 2 m. high. Drupes blue-black.

Oleaceae

713. Rhamnus frugula

Shrub. Bottomland.

Rhamnaceae

South Hill 4 November 1965.

714. Chrysanthemum leucanthemum

Daisy.

Herb. in field.

Compositae

715. Antennaria sp.

"Pussy toes"

Rough Herb in field.

Compositae

716. Rubus flagellaris

Small Shrub.

Rosaceae

717. Rumex acetosella

Sheep sorrel.

Low herb.

Polygonaceae

718. Juncus effusus var. Jylzei.

Herb in wet place.

Juncaceae

719. Fragaria virginiana

Wild Strawberry.

field herb.

Rosaceae

South Hill. 4 Nov 65.

720. Phleum pratense

Timothy

Herb in field.

Gramineae

721. Lonicera tatarica

Honeysuckle Bush.

Small shrub in woods.

Caprifoliaceae

722. Osmunda regalis

"Royal fern"

Growing in woods.

Osmundaceae

723. Carex sp.

Sedge.

Cyperaceae

724. Panicum lanuginosum var. fasciculatum Gramineae

Grass growing in field.

725. Juncus marcer

Field.

Juncaceae

726. Carya ovata

Shagbark Hickory,
Small tree.

21 Oct 1965.

727. Potentilla simplex

Rosaceae

South Hill, field. Herb. 7 Oct 65.

728. Salix sp.

Salicaceae

South Hill. Shrub. 1 Nov 65.

729. Populus deltoides

Salicaceae

Six Mile Creek. 26 Oct 1965. Tree.

730. Aster laevis
Smooth Aster.

Compositae

Great Gully. 10 Oct 1965. Woodland area.

731. Chenopodium album L.

Chenopodiaceae

South Hill, Ithaca. 30 Sept 1965. Field.

732.

Labiatae

Low herb, weed. Harrisburg, Pa.
9 May 1967

733

Cruciferae

Herbaceous. Weed.

Harrisburg, Pa. 9 MAY 1967.

734

Herb. low weed.

Harrisburg, Pa. 9 May 1967.

Dauphin County:

~~Harrisburg, Pa.~~ Manada Gap.

31 MARCH - 6 APRIL 1968

P.

735. Lindera benzoin (L.) Blume

Lauraceae

"Spicebush"

Shrub 2 m. tall along stream. Flowers yellow.

736. Symplocarpus foetidus (L.) Nutt.

Aricae

"Skunk cabbage"

in wet area along stream. Herb $\frac{1}{3}$ m.737. Acer Negundo L. "Box Elder"

Aceraceae

Tree 10 m. tall along stream in Colonial Park
Willow Rd + Concord St. ~~■~~ Dioecious. Escaped?

May 12, 1968. Cape Cod, Massachusetts.
 U.S. National Seashore near Wellfleet
 Audubon Bird Sanctuary.

P 738. Epigaea repens L. Ericaceae
 "Trailing Arbutus."
 Moist woods. Creeping.

P 739. Arctostaphylos uva-ursi (L.) Spreng. Ericaceae
 Bearberry.
 Spreading shrub, prostrate.

P 740. Corema conradii (Torr.) Torr. Empetraceae
 "broom crowberry"
 Sandy soil near ocean. Low shrub, form-
 ing clumps.

P 741. Hudsonia ericoides L. Cistaceae
 "false heather"
 Sandy soil near beach area. Dunes.
 Low shrub in clumps. Petals yellow.

P 742. Prunus maritima Marsh. Rosaceae
 "Beach plum."
 Straggling shrub. to 2 m.

- P 743. Myrica Gale L. Myricaceae
 "Sweet Gale"
 Dioecious shrub in sandy clearing near lake.
- P 744. Myrica asplenifolia L. Myricaceae
 "Sweet fern"
 Monocious shrub in sandy clearing. Dry land.
- P 745. Quercus ilicifolia Wang. Fagaceae
 "Scrub oak"
 Straggly shrub. young foliage pink.
- P 746. Carex Cyperaceae
 Herb in sandy clearing.
- P 747. Spiraea tomentosa L. Rosaceae
 "Herd hark"
 Edge of pond. Shrub 1-2 m.
748. Spiraea latifolia Rosaceae
 Edge of pond. Shrub 1-2 m.

749. Halesia carolina L.

Styracaceae

"Snow-bell"

Cultivated. Tree 5 m. in Harvard yard.

20 May 1968. Cambridge, Mass.

750. Primula borealis Raf.

Primulaceae

"Star flower"

Small herb. Woods. Concord, Mass.

26 May 1968.

751. Chimaphila umbellata (L.) Bart. Ericaceae
Prince's Pine.

Small shrub in woodland. Creeping.
Concord, Mass. 26 May 1968.

752. Maianthemum canadense Desf. Liliaceae

"wild lily of valley"

Small herb. Concord, Mass. 26 May 68.

753. Ilex verticillata

Shrub 2 m. along Concord River bank,
Concord, Mass. 26 May 1968.

1 JUNE 1968. Hillsboro, New Hampshire
Woods west of Hillsboro Center.

754. Tiarella cordifolia L.

foamflower

Rich moist woods near swamp.

755. Acer spicatum Lam.

Mountain maple.

Shrub 2 m tall along stream.

Acemes white.

756. Cornus alternifolia

Shrubs. Fls. white.

757. Viburnum

Shrubs.

~~758~~

758. Populus tremuloides

Tree 20 ft. tall.

758a. Betula populifolia
grey birch
Hillsboro

759. Acer pensylvanicum
(3m).
Small tree in moist woods.

760.

Small tree (3m) in moist woods.

761. Smilacina racemosa (L.) Desf.
False Solomon's Seal.
Along roadside. Semi-lm.
Flowers white.

762. Actaea alba (L.) Mill.
Baneberry.
To 1 m. in shady woods, upland.

763. Cornus canadensis L.
Bunchberry.
In moist woods near swamp.
Bracts white.

Hillsboro.

764. Medeola virginiana L.

Indian Cucumber root

In moist woods, upland. Petals
yellowish.
Roots edible (fleshy).765. Clintonia borealis (Ait.) Raf.

Clintonia

In ^{rich} woods near road. Corolla
pale yellow.766. RubusCreeping herb in ^{moist} rich woods, near
jump. Petals white.767. Galium

Bedstraw.

In rich woods in partial sun.

768. Prunella borealis Raf.

Star flower.

Rich pine woods. Corolla white.

769. Maianthemum canadense Desf.
 Wild Lily of the Valley
 Rich woods, upland, ⁱⁿ pine needles.
 flowers white.

770. Berberis thunbergii DC.
 Japanese Berberry.
 Shrub 1 m tall in woods. Escape.
 Corolla yellow.

P 771. Sisyrinchium
 Blue Eyed Grass.
 In ~~not~~ sunny meadow on hill-
 side. Petals blue.

P 772. Compositae
 Growing in partial shade on edge of
 woods.

773. Ranunculus
 Buttercup
 Growing in ^{rich} meadow on hill side.
 Petals bright yellow.

774. *Ranunculus*

Growing in open ^{sun} meadow on hillside.

775.

Umbelliferae

Growing in moist meadow, in sun.
Flowers yellow.

776. *Aralia nudicaulis* L.

Araliaceae

Wild Sassafras

Common in ~~dry~~ ^{rich} woods and along shaded roadsides. Flowers white.

777. *Pteridium aquilinum* (L.) Kuhn.

Bracken.

Common fern to 0.5 m, edge of woods & roadsides.

778. *Osmunda cinnamomea* L.

Cinnamon fern

In swampy area, partial sun.

779. Osmunda regalis L.

Royal fern.

In Swamp at edge of woods.

780. Osmunda Claytoniana L.

Interrupted fern.

In moist woods, shade.

781. Oenoclea sensibilis L.

Sensitive fern.

In ^{low} swampy place. In sun.

782. Athyrium filix-femina (L.) Roll.

m. Lady fern

Fern in rich woods, caespitose.

783. Dryopteris marginalis (L.) Gray

ny marginal Shield fern

Fern in rich woods; fronds 6 arranged.

784. Botrychium virginianum (L.) Sw.

Rattlesnake fern.

Fern in rich shady woods.

10 JUNE 1968 Route 20 near Cazenovia,
New York.

785.

Cruciferae

Along roadside, in sun, moist
meadow. Petals yellow.

786. Gelium concinnum T. & G.
Red straw.

Moist roadside meadow.

11 June 1968. Ithaca, N.Y.

787. Strophenthus.

Lpagnocae

Woody vine cultivated in Cornell
Conservatory. Calyx, corolla yellow.

788. Dorstenia

Herb cultivated in Cornell Conservatory.
Receptacle green, ~~fruit~~ fruits white.

789. Cladrastis lutea (Michx.-t.) K. Koch Leguminosae
Yellowwood.

Tree cult. along College Rd. in Ithaca

corolla creamy white.

Pennsylvania

Sullivan County. June 1968.

11 June 1968. Ogdonia, near Route 87.

790. Smilax rotundifolia L.

Woody vine in shady rich woods.
Fls. yellowish.

P 791. Kalmia latifolia L.

Mountain Laurel

Shrub to 2 m in rich woods,
forming thickets. Corolla white to
pink.

P 792. Diervilla lonicera Mill.

Ceprifol.

Shrub to 1 m tall along roadsides.
Helioiphile. Corolla yellow

12 June 1960 - Sullivan County, Pa.

793. Aquilegia canadensis L. forma Phippenic (J. Robins.)
Columbine R. Hoffm.

Heliophyte along roadside in moist
place. Corolla pink to yellowish. (Color
Along Rt 87 near Ogeonia. Variant)

794. Aquilegia canadensis L.
Columbine

Heliophyte along roadside in moist
place. Corolla bright red. Normal.

Swarmp Run near Hoagland Branch.

12 June 1960.

795. Viola canadensis

Ombrophile in rich woods. Corolla
white.

796. Mitella diphylla L.
"Mitrewort"

Jac. Fregeaceae

Rich shady woods. Moist places near
stream.

797. Oxalis montana Raf.
Wood sorrel.

Rich moist woods. Shade. Corolla white

with pink stripes.

798. ~~Cy~~ Carex

Cyperac.

Swampy place along stream.

799. Hydrophyllum virginicum L.

Rich moist woods. Corolla white to bluish.

800. Dentaria diphylla Michx.

Rich moist woods.

801.

Crucifer.

Along stream, partial sun. Petals white.

802. Geranium maculatum

Rich moist woods along stream.
Corolla lavender pink.

P 803. Arisaema triphyllum Araceae

Rich moist woods. Spathe purple.

P 804. Veratrum viride Ait. Liliaceae

Folge helleborre

To 1 m tall in rich woods. Flowers green.

~~805~~ Ranunculus

Helio ~~Ranunculus~~ file. Meadow along stream.

806. Ranunculus.

Helio file. Meadow along stream. Petals bright yellow, showy.

12 June 1968.

Loyalsock Creek near Splash Dam,
near.

807. Carex Cyperaceae

Helio file in wet place along Road.

Sullivan County 12 June 68

808.

Cyperaceae

Heliofile in wet place along road.

809. ~~Amaranth~~ Physocarpus opulifolius (L.) Maxim.
in "Ninebark"

Shrub 2 m tall along bank of Loyd-
sack Creek. Petals white.

810. Carex

Cyperaceae

Heliofile in wet place along road
near stream.

811.

Cyperaceae

Heliofile in wet ^{meadow} place along road
near Loydsack.

812.

Cyperaceae

Heliofile in wet meadow along
road near stream.

Sullivan County, Pa.
13 June 1968.

P 813. Pedicularis canadensis

Louewort

In 2nd growth woods near Elk Creek
at Trout Hole.

P 814.

(Corydalis)

Herb growing along Hoagland Branch.

P 815.

Umbellif.

Herb in ^{wet} meadow along Hoagland Branch.

816. Polygonum convolvulus

Red stemmed vining herb growing
among rocks along Hoagland Branch.
Flowers white.

Sullivan County, 13 June 1968.
Eaglesmere Swamp.

817. *Nyctanthes*?

Shrub 3 m tall among shrubs
at edge of swamp.

818. *Lycopodium clavatum* L.
Running Pine

Creeping herb in rice woods
adjoining swamp.

819. *Lycopodium lucidulum* Michx.

Shiny *Lycopodium*
Creeping herb in rice woods near
swamp.

820.

Cyperus

Heliofile growing at edge of lake in
mud.

821. *Rhododendron*

Shrub to 2 m tall ~~in~~ in thicket

at edge of swamp-^{rich} woodland.

822. *Vaccinium* ~~*lyonii*~~ *ligustrina* (L.) DC. var
ligustrina det W. Judd 1978

Shrub 1 m tall in thicket at edge
 of swamp in rich woodland.

P 823.

Crucifera

Weed along road side in meadow.
 Petals magenta to white.

824. *V. burnum* *acerifolium*

Growing on sunny hill side at High
 Knob, to 1.5 m. flowers white.

Sullivan County. 14 June 1968.

825. Celastrus scandens

Scandent shrub along roadside on fence. Near Rt. 87 at Ogdonia. Fls. greenish yellow.

826. Vicia

Ground vine in roadside meadow near Rt 87 at Ogdonia. Fls. violet.

Loyalsock Creek near Ogdonia.
14 June 1968.

827. Oenothera perennis L.

828. Echium vulgare L.

Ripens Bugloss.

To 1 m tall on beeches and maples along stream. Corolla blue to pink. Heliofile.

Papilionaceae
Papilionae

829.

Meadow near stream. Heliofile.

830. Allium canadensis

Corolla lavender.

831. Scrophularia lanceolata Pursh.

Tall (2m) herb along stream. Corolla brownish. Bee pollinated. Heliofile.

832. Apocynum cannabinum L.

Heliofile. Growing among rocks in ~~the~~ stream bed⁺ in slow moving water. Fls. pink to white.

833. Psylliodes setiva L.

Growing in sun in roadside meadow (near Rt 87.) Fls. yellowish.

Sullivan County

P 834.

Crucifer.

Growing in ^{dry} stream bed. Fls yellow.835. Lambucus pubens

To 2 m. growing along stream.

P 836. Rumex acetosella L.

Weed growing along roadside

837.

Cruciferae

Growing along stream bank in shade. Fls. yellowish.

P 838. Asclepias

To 1 m. tall in stream bed. Helioptile.

Sullivan County

839. Physocarpus opulifolius (L.) Maxim.

Shrub to 2m along stream in pertins
Jun. Petals white.

840. Vitis

Woody vine growing in thicket along
roadside.

841. Galium aparine L.

In sunny wooded area, forming
tangles.

842.

Urticifera

Woodland herb, semi umbrophile.

843. Laportea canadensis (L.) Wedd.

Urticaceae

Wood Nettle

Edge of Rich woods near stream.

844. Sullivan County, Pa.

Coryophyll

Helioptile in meadow near stream.

845. Caulophyllum thalictroides (L.) Michx.
Blue Cohosh.

Edge of rich woodland near meadow,
0.5 m.

846. Sax. fraga pensylvanica L.
Swamp Saxifrage.

Wet swampy place among rocks on
bank of Loyalsock. Helioptile.

847. Hydrophyllum canadense L.

Moist rich woods along Loyalsock.

848. Ipomoea dulcamara^a L.

Scandent shrub growing among
stones on stream bed. Helioptile. Corolla
purple.

15 JUNE 1968 Sullivan County.
Loyalsock Creek near Ogdonia.

849. Convolvulus sepium L.

Vine twining on other herbs in thicket
along stream and on island.
Corolla pink.

850.

Crucifer

Herb in moist place along Loyalsock.
Petals yellow. Heliofile.

851.

Caryophyll.

Herb along stream on island.
Heliofile. Petals white.

852. Lysimachia

Growing among pebbles on dry
part of stream bed - in stream.
Flowers yellow.

Julliven County, Penna.

853. Diervilla lonicera Mill.

Low shrub in moist places along stream. Helioophile. Corolla yellow.

854. Viburnum alnifolium Mergl.

Rich moist woods on hillside above stream. Shrub to 2 m.

p 855. Hieracium

Meadow near edge of woods. Ogdonia. Flowers yellow. Helioophile.

856. Tragopogon pratensis

Roadside Rt 87 in moist meadow. Rays yellow.

Toxicodendron radicans (L.) Kuntze

857. ~~Rhus radicans~~ L.

Poison Ivy

Scandent shrub in thicket along

Julliver County, Penna.

Loyalsock ^{Creek} near Hills grove. Fls. yellow-green.
(Gardner)

858. Vitis

Vine in thicket along Loyalsock near Hills grove. (Gardner) Helio. fl. lute.

859. Smilax herbacea L.

Vine in thicket along stream on bank.
Flowers greenish yellow.

p 860. Senecio aureus L.

Rid Woodland Swamp near High Knob Road.
(Spook Swamp). Flowers yellow.

Druphin County, Pa.
8 mi E. of Harrisburg, Pa. near
Rt. 88

861. Rhus typhina L. Anacardiaceae
Staghorn Sumac
Shrub to 1.5 m. growing in field
near edge of woods.

862. Leonurus cardizza L. Labiatae
"Motherwort"
Perennial herb in field near
Beaver Creek. Flowers pink to 1 m tall.

863. Thlaspi arvense L. Cruciferae
or "field pennycress"
Herb in field near old house.

864. Nyssa sylvatica Marsh. Nyssaceae
"Tupelo" " Sour Gum."
Tree 10 m tall on edge of woods.
Fruits black.

19 June 1968. Dauphin Co.
Blue Mountain near Linglestown.
(near Blue Mt. Park)

865. Specularia perfoliata (L.) DC.

Heliophile on cut over area; dry field, poor soil.

p 866. Lysimachia quadrifolia L.

Heliophile. Dry field, poor soil. Power line at Base of Mt.

867. Galium circaeifolium Michx.

Dry woods at base of mountain.

868. Pyrula elliptica Nutt.
"Shinleaf"

Moist woods at base of mountain.
Corolla creamy white.

Dauphin Co.

869. Chimaphila umbellata (L.) Bart.

Moist woods near foot of mountain. Corolla creamy white.

870. Houstonia longifolia Griseb.

Dry wooded margin. Corolla pale lavender to white.

871. Agrimonia triloba (L.) Dunal

^{prospaw}
Small tree. 4 m in ^{rich wet} woods near stream.

872. Agrostemma githago L.

Corn Cockle

Dry field - power line - Corolla magenta.

Dauphin County.

20 June 1968.

3 mi. East of Harrisburg near Rt 88.
Beaver Creek.

873. Oenothera perennis L.

Fun drops.

Growing in field near Beaver Creek.
Petals yellow.

874. Potentilla recta L.

Rough fruited Cinqufoil.

Common weed in ^{dry} fields. Petals
pale yellow.

875. Penstemon digitalis L.

1.0 m tall in dry fields. Corolla
off-white to pink.

876. Circaea canadensis Mill

Woodland herb growing in shady
moist places. Petals white.

p 877. Ilex convexa?

Shrub 2m Cultivated in Garden,
Hickory Lane. Fls. yellowish - creamy white.

878. Cotinus [?] obovatus Raf.
Smoke Tree.

Shrub 3m tall along Deaver Rd.
Lower Paxton Township.

23 June 1968.

Lower Paxton Twp. near Rt 88.
Hickory Lane.

p 879. Carya
Hickory
Tree 10m tall along road.

880.

Tree 7m tall along lane.

Dauphin County.

25 June 1968 Lower Pexton Township.

P 881. Chamaelirion ^{um}lutea ^{um}(L.) Gray.

Devils Bit.

Cultivated in wildflower garden.
Spike creamy white.

882. Geranium Bicknellii Britt.

Heliophyte. In dry field. Petals
pink. Near Hickory Lane.

P 883. Verbascum blattaria L.

Heliophyte. Dry field near edge of
woods. Corolla pink.

P 884. Solanum carolinense L.

Dry fields and hillides. Corolla white.

Cambridge, Mass.
30 JUNE 1968.

885. Tilia europaea

Tree 10 m Cultivated along Quincy
St.

886. Ligustrum obtusifolium Sieb. et Zucc.
Privet

Hedge along Quincy St. Corolla
white.

887. Juglans nigra L.

Tree 15 m tall planted along
Massachusetts Ave.

15 September 1968.

(Bill Rhein's) Check locality.

South Mechanicsburg
Saw Mill Road,
York Co, Fairview Twp.

888. Gerardia pedicularis L.
Aureolaria pedicularis.

Herb 1 m edge of dry field partially
in woods. Corolla yellow.

889. Trichostema dichotomum L.

Labiatae

Blue Corolla.

Dry field near edge of woods.
Corolla blue.

890. Prunella vulgaris L.

Self heat.

Dry field near edge of woods.
Corolla pure white.

Druphin County, Pennsylvania 1969.

14 June 1969. Lower Paxton Township.

p
GH 900. Oenothera perennis L.

Dry sunny field along Devan Rd
off Rt. 88. Corolla yellow.

901. Galium circaeum
Red straw.

Rich woods at foot of Blue Mt.
near Linglestown.

902. Houstonia longifolia Gertn.

Edge of woods along roadside at foot
of Blue Mt. near Linglestown.
Corolla pale violet.

M Sullivan County, Penna. 1969.

15 June 1969. Region near Ogdonia.

P 903. Juglans grandifolia Ehrh.

m. Beech

Tree 10 m tall in woods along Kettle Creek.

P 904. Fraxinus americana L.

Tree 10 m tall at edge of woods.
Fruits reddish-green.

905. Mitchella repens L.

partridgeberry.

Prostrate herb in rich woods near stream. Corolla pure white.

 Loyalsock Creek M

P 906. Lonicera canadensis Marsh.

m. fly honeysuckle.

Shrub 2 m tall in rich moist woods along stream. Berries red.

Sullivan County. 15 June 69

907. Acer spicatum L.
 var. Mountain maple.

Shrub 2m tall on moist cliff
 over stream. Shade.

908. Hesperis matronalis L.
 Dame's Rocket

Cruiser

Along shores of Loydsock Creek.
 Petals pink to white. Shade or sun.
 Common.

909. Hydrophyllum virginianum L.
 var. Virginia waterleaf.

Rich moist woods in shade or
 partial sun.

910. Houstonia caerulea L.
 var. Bluet

Growing in partial shade along
 stream bank. Sandy (loam) soil.
 Corolla pale blue. 80cm.

911. Galium

Growing at edge of rich woods in

Sullivan County, Pa. 15 June 69
moist place. Partial shade.

912. Galium aparine L.

Growing in moist meadow near
woods. Helioophile.

P
G4
US
913. Carpinus caroliniana Walt.

"Kop Hornbeani"

Small tree 5 m tall along edge of
woods. Bracts bright green.

P
914. Cornus

Shrub 2 m tall along roadside, partial
sun. Fruits greenish. Edge of woods.

P
915. Liriodendron tulipifera L.

Tree (cult.?) along road at Ogdonia.
Petals greenish to white, orange mark-
ings. 10 m tall.

Sullivan County, Pa. 18 June 1969.
 Mill Creek.

P 916. *Naiicula Marylandica* L.

Edge of forest along Mill Creek Road.
 Sun-ombrophile. In partial shade.

P 917.

Submerged aquatic growing on
 rock in sun. Mill Creek above
 Gorge.

P 918.

Delicate fern growing on wet
 cliff in Mill Creek Gorge. Ombrophile.
~~Fronds~~ Rachis pink to dark red.

P 919. *Ilex verticillata* (L.) Gray
 Black Alder.

Small tree 5m tall along stream.
 Ombrophile. Mill Creek Gorge.
 Fks. Petals white.

Sullivan Co., Pa. 18 June 1969.

920. Acer pensylvanicum L.

m. "moosewood" "Striped maple"

Tree 4 m along stream. Partial sun. Bark "striped", fruits pendulous. Mill Creek.

921. Thelypteris phegopteris (L.) Slosson.

m. "northern beech fern"

Delicate fern in shady moist gorge along stream. Sori light colored. Mill Creek.

922. Sambucus pubens Michx.

Shrub 2-3 m tall on hillside along Elk Creek (apparently fallen from woods above). in fruit Berries red.

• Lick Creek,

923. Salix

Small shrub 1.5 m tall along roadside (Lick Creek). Edge of moist woods. Heliohile.

Sullivan County, Pa. 18 June 1969.

P 924. Trifolium triphyllum (L.) Schott.

vn. "Jack-in-the-pulpit."

0.7 m tall, in rich moist woodland. Lich Creek. Spathe + spadix deep purple.

P 925. Lepidium ruderale L.

Crucifer.

Dry disturbed place along Dry Run near High Knob Road.

926. Prunus virginiana L.

vn. "Choke Cherry"

Shrub 2m along roadside in thicket (heliofile) at Hills Grove, near Mill Creek.

926A.

Discomycetes

Cup fungus on rotten stems in swampy area. Thallus buff. Near Dry Run, High Knob Road.

Woods near Railroad tracks between
Jalmonth and Elizabethtown, Pa.
22 June 1969.

927. Staphylea trifolia L.

Bittersweet

Shrub 2 m tall in ^{moist rich} woods. Sterile.

928. ^{Lysimachia} Steironema ciliatum (L.) Raf.
var. longestriate

Primulaceae

Dry woods in partial sun; near
edge of clearing. Corolla yellow.

929. Athyrium filix-femina (L.) Roth.

var. lady fern

Delicate fern in rich moist
woods.

930. Dryopteris marginalis (L.) Gray

Marginal! Shield fern.

fern in rich moist woods, caespitose.
Fronds dark above, paler beneath.

P 931. Polystichum acrostichoides (Michx.) Schott
 in "Christmas fern"
 Rich moist woods.

932. Symplocarpus foetidus (L.) Nutt.
 in. Skunk Cabbage
 low swampy area in ^{rich} woods;
 Ombrofile. Syncarpos brownish.

933. Galium
 Bedstraw
 Creeping herb on forest floor.
 Ombrofile.

934. Galium Aparine L.
 Bedstraw.
 Tangled herb along railroad
 track. Dry gravel. Heliophila. Plants
 with red coloration.

935. Rudbeckia hirta L.
 Herb along ^{dry} edge of woods but

helioptile, 1.5 m tall. Rays yellow-orange, tube florets brownish.

936. Tilia

^{10 m.}
Tree cultivated along highway.
Petals creamy yellow.

Bolton, Massachusetts. 28 June 1969.

937. Ranunculus flabellaris Raf.

Submerged aquatic in woodland pond (Haw's Pond). Petals yellow. Fls. above surface.

938. Nuphar variegatum Engelm.
n. "yellow pond lily."

Water plant in Haw's Pond. Leaves floating on surface. Fls. protruding. Sepals yellow above, green-purple below. Stamens + ~~stigmatic~~ yellow.

939. Corylus cornuta Marsh.
n. "Beaked Hazel."

Shrub 2 m tall along ^{sugar} road in woods. Involucre ^{lt.} green.

940. Ceanothus americanus L.
"New Jersey Tea."

Rhamnaceae

Shrub 1 m tall in woods along Sugar Road. Flowers white.

P 941. Dianthus deltoides L. Coryphell
m. "jink"

Along Sugar Road among grasses.
Sepals white. Petals pink ~~and~~ white.

942. Apocynum androsaemifolium L.

m. "Dogbane"

0.5 m in fern shade along Sugar Road. Edge of woods. Corolla pink.

P 943. Potamogeton nodosus Poir.
"Pondweed"

Aquatic plant, leaves floating. Haw's Pond. Sugar Road.

P 944. Melampyrum lineare Desf.

Herb in dry woods near Sugar Road.
Corolla cream colored.

Bolton, Mass. - 28 June 1969.

945. Pyrola rotundifolia L.

Com. "Round leaved Shin leaf"

Dry woods near Sugar Road.
Corolla cream-colored.

P 946. Veronica scutellata L.

Along edge of farm pond among
grasses. Heliofile. Corolla pale
blue.

947. Acorus calamus L.

Growing in shallow water in mud
in farm pond (Bud Fink farm).
Spreading buff. Corn Road.

948. Scirpus

Cyperaceae

Growing in mud in shallow
water along edge of farm pond.

Bolton, Mass. 28 June 1969.

949.
45

Cyper

Growing in wet meadow near Corn Road.

950. Lysimachia terrestris (L.) BSP.

Primulaceae

Growing in wet meadow along Corn Road. Petals yellow.

951. Hypericum

Growing in dry disturbed place along roadside. Fls. yellow. Along Corn Road.

952. Sisymbrium officinale (L.) Scop.
in "Hedge Mustard."

Cruciferae

Weed in barn yard along Corn Road.
Fls. white.

953. Galium concinnum T & G.
Bedstraw.

In pasture along Sugar Rd. Fls. white.

Bolton, Mass. July 8, 1969.

954. Prunus virginiana L. Rosaceae
 m. Choke Cherry

Small shrub 0.5 m tall along
 East End Rd at edge of woods.

955. Linaria canadensis L. Scroph.
 m. Blue toadflax.

Growing along roadside (East End
 Road) and disturbed places.
 Corolla lavender.

956. Baptisia tinctoria (L.) R. Br. Papilionac
 m. "Wild Indigo"

About 0.8 m tall along East End
 Road in field. Flowers yellow.

Dauphin Co., Pa. July 10, 1969.

957. Malva moschata L.
 m. musk mallow.

2/3 m. tall in dry open field.
 8 mi. E of Harrisburg.

Dauphin County, Pa. 21 July 1969. moon Day.
 8 mi. East of Harrisburg near Rt. 88.
 Hickory Lane Estates.

958. *Solidago gigantea*.

Dry sterile field. Capitula ^{deep} yellow. About
 1 m.

P 959. *Lactuca*? Compositae.

Dry sterile field. Flowers pale yellow.
 Milky juice.

P 960. *Geum canadense* Jacq. "Arens." Rosaceae

Common plant in shady moist woods.
 to 0.75 m. Petals white; stich tight.

P 961. *Hystrix patula* Moench. Gramineae
 Bottlebrush Grass.

Moist woods in slightly more open places.
 det. T. Joderstrom 1977.

Delphin Co., Pa. 21 July 1969.

US

962. Dryopteris spinulosa (O.F. Müll.) Wett. Polypodiaceae
m. Spinulosa Wood fern.

Espitose fern in ravine. Moist shady woods.

US

963. Dryopteris marginalis (L.) Gray
m. marginalis, "Shield fern"

Espitose fern in ravine. Moist shady woods.

P
GH
US

964. Sphylea trifolia L.
Buddernast.

Small tree 5m tall along ~~stream~~ Beaver Creek
Bottomland. Moist woods. Capsules
light green.

965. Galium palustre L.
Bedstraw.

Along Beaver Creek in open grassy
place. Flowers white.

DuPuis, Co. Pa. 21 July 69.

P 966. *Asclepias incarnata* L. *Asclepiadaceae*

Along Beaver Creek on sandy beach;
Semi umbrophile. To 1.5 m tall. Sepals
green. Petals red-purple. Corolla pink.

P 967. *Verbena* ^{*urticifolia* L.} ~~*serotina* Vahl.~~ *Verbenaceae*

Along Beaver Creek on ^{open} sandy beach in
sun. To 2 m tall. Flowers white.

P 968. *Penicum*

Small ^{moist} woodland ravine. Umbrophile.
Forming thick patch.

P 969. *Teucrium canadense* L. *Labiatae*.

in small ravine woodland between fields.
Umbrophile, Corolla pink-purple.

P 970. Triostema angustifolium L. Cynifoliaceae
 Timbersweed. Forge Gentian
 Semi ombrophile at edge of
 wooded ravine. Fruits bright orange.

P 971. Agrimonia pubescens Wallr. Rosaceae
 1.5 m tall in open woods. Fls.
 yellow.

P 972. Solidago juncea Ait.
 Low ^{open} usually moist field. Flowers
 deep yellow. Heliofile.

P 973. Oenothera fruticosa L.
 "fendrops"
 Low moist field. Petals bright
 yellow. Heliofile.

P 974. Hypericum

Low moist field. Fls. deep yellow.
Capsules greenish-brown.

P 975. Verbena heptata L.
Blue Vervain.

Low moist field. Heliofile. Forming
colony. Corolla brilliant blue-purple.
violet.

I 976. Lilium superbum L.
Turk's Cap Lily.

Low moist field on edge of woods.
Semi-heliofile. Petals + sepals reflexed,
yellow of orange with dark red spots. Anthers
yellowish. Ovaries dark red-brown. Flowers
nodding. Plants to 2m tall.

P 977. Lysimachia ciliata L. (Steironema ciliatum (L.) Raf.)
Loosestrife. ^{Primulaceae}

Wet woodland margin. Semi-^{partially} shade.
Fls. nodding. Corolla yellow. to 1.2m tall

Dauphin Co., Pa.

P 978. Angelica

Wet woodland near Beaver Creek.
1.0 m tall. Flowers white.

979. Habenaria leersia (Michx.) Lodd.

"Ragged Fringed Orchid."

Low ~~Wet~~ grassy field. Helios hile. to
0.5 m tall. Flowers greenish
white.

P 980. Pycnanthemum flexuosum (Walt.) BSP.
"Mountain Mint"

In ^{low} moist open field near Beaver
Creek. Fls. Creamy white.

981. Viburnum prunifolium.

Small tree 6 m tall on edge of woods.
Fruits still green.

Dauphin Co, Pa.

982. Centaurea maculosa Lam.

"Knapweed"

Dry sterile field. Very common. Florets
violet-pink.

983. Trifolium arvense L.

Rabbit Foot Clover.

Dry sterile field. Bracts pinkish.
Flowers white.

984. Galium pilosum At?

Bedstraw.

Dry field near woods. Flowers white.

985. Anemone virginica L.

Thimble Anemone

Moist Woodland & vine. Sepals white.

Benders Woods.

986. Desmodium glutinosum (Muhl.) Wood.

Woodland margin. Flowers pink.

Dauphin Co, Pa. 21 July 1969.

987. Triosteum angustifolium L. Caprifoliaceae
 Woodland margin. ^{Semi-}Ombrofile

988. Hosta ventricosa (Salisb.) Stearn
 v. Plantain lily

Wet woodland forming large colony.
 Apparently persistent and spreading
 after cultivation. Corolla blue-violet.

23 July 1969.

fields and woods near Beaver Rd.
 off Rt. 38.

989. Echinochloa crus-galli (L.) Beauv. Gramineae
 det. T. Jordenstrom 1977.
 to 2m ~~at~~ weed in corn field.
 Low moist area.

990. Setaria glauca (L.) Beauv. Gramineae
 v. "foxtail grass"
 Weed growing on border of corn field.
 Low moist area.

Deuphin Co., Pa. 23 July 69.

991.

Amaranthaceae

Weed in corn field. Low moist place.

992. Galinogla ciliata (Raf.) Blake

Compositae

Weed among grasses on border of corn field. Low moist place.

993. Hibiscus trionum L.

m. Flower-of-an-hour.

Weed among grasses at border of corn field. Corolla pale yellow. ^{deep} red-purple at base.

994. Sida spinosa L.

Malvaceae

m. Prickly mallow.

Weed in wet place at border of corn field. Petals yellow. Admiring foil.

Dauphin Co., Pa. 23 July 69.

995. Cirsium arvense L.

m. Canada Thistle.

Weed in dry sterile field.
Florets pink-lavender.

996. Solidago juncea Nutt.

Dry sterile field. Flowers deep yellow. Cesp. to 1 m.

997. Potentilla norvegica L. (intermedia L.?)

Dry sterile field. Petals deep yellow.

998. Impatiens ~~bicolor~~ biflora Willd.

Spotted jewelweed.

Moist woods along stream. Flowers orange with red spots. Stems succulent. To 1.5 m.

999. Impatiens pallida Nutt.

Pale Jewelweed.

To 2 m tall in moist woods. Fls.
pale yellow. Growing together with
I. b. flora.

- 1000 Celtis occidentalis L. Simaceae
 m. Hackberry
 Shrub 1.5 m tall along border
 of sterile field. **Heliofile.**
 Fruit a drupe - 1 seeded, still green.

- 26 July 1969.
 1001. Molucella laevis L. "Labiatae"
 m. "Bells of Ireland." "Jew flower"
 Herb cultivated in garden. Calyx
 light green. Corolla bilabiate pink
~~upper lip~~ white lower lip.

1002

Bird's Nest Fungus.
 In field on horse manure in garden.

26 July 1969. Dauphin Co., Pa.

- P 1003. Celtis occidentalis L. Ulmaceae
 var. "Hickberry."
 In field near Hershey Road (Rt. 322).
 Tree 8 m tall. Fruit hard, green.

27 July 1969. Stony Creek Valley.

1004. Tilia americana L.
 var. "American Linden", "Basswood."
 Tree along old railroad bed. 6 m
 tall. Fruit still green. Ombrofile.

1005.

Compositae

Woodland herb growing in wet
 ravine along old railroad bed.
 Rays yellow.

27 July 1969.

Susquehanna River near Harrisburg.
Island near South Bridge.1006. Lysimachia vulgaris L. PrimulaceaeHerb along beach of sandy island.
Flowers bright yellow.1007. Desmodium rigidum (Ell.) DC.

GHT

canescens (L.) DC. det B.G. Schubert
1975.Along bank of River near Highspire.
Flowers pink.29 July 1969. Deuphin Co. Lower Paxton Twp.
near Rt. 88. and Deaver Rd.Tovara virginiana (L.) Raf.

P

1008. Argemone leptostachya L.

Rhamnaceae

var. "Lopseed."

Rich shady woods. Flowers white. Fruit
light green. Common.

P

1009. EuphorbiaCult. field. Weed. Bracts white. Milky
juice.

Duplin Co., Lower Peyton Twp.
1010. *Amaranthus*

Herb 5 ft tall. Weed in Cultivated field.

P 1011. *Hypericum*

In field near margin of woods Petals
Stamens and pistils yellow.

P 1012. *Hypericum*

Small weed growing near fish
~~pond~~ pond. Helioophile. Fls. yellow.

P 1013. *Heckelia virginiana* (L.) I. M. Johnston.
GH var. "Stickseed." "Beggars' Linc"

Herb 6 ft tall along stream.
Semi-sterile. Fls. white, regular.

1 August 1969. Jungi.

~~1014~~ 1014 Duquoin Co., Lower Peyton Twp.
Near Rt 88 and Deaver Rd.

1014.

Woods. Cap red. Stipe cream colored.

1015.

²⁰
~~Rt~~ Woods. Brown cap. Yellow beneath.
(gills). Stipe brown. On earth.

1016.

Woods. Cap white. Gills white. Stipe
grey, darker towards the base.

1017.

Woods. Cap buff. Stipe dark brown.

1018.

Woods. Old growth ~~zone~~ dark reddish brown, new growth yellowish brown, Cream at margin. Yellowish brown beneath.

1019.

m. Birds nest fungus.
Open field. Coprophilous (large measure) in garden. Buff colored. Sporidutes darker brown.

5 August 1969. Powell's Valley. ^{Dauphin Co.}
Along Powell's Creek. Rich Hemlock forest.

1020.

Rich woods. On leaf mold. Cap light brown. Gills + stipe buff.

1021.

Rice woods. Thallus creamy white,

1022.

Rice woods. On leaf mold. Thallus white.

1023

Rice woods. On leaf mold. Thallus pure white.

1024.

Rice woods. On leaf mold. Cap. bright yellow above. Gills ~~and~~ stripe creamy white.

1025.

Myxolucy

Thallus bright yellow. On hemlock twigs & leaves (on ground.)

1026. Lycoperdon

Rid. woods. On leaf mold. white.

1027.

Rid. woods. Leaf mold & ^{stems} twigs.
Cap brown. Gills & Stipe creamy white.

1028. Clavaria

~~On light~~ Rid. woods. On leaf mold.
Cream white.

1 August 1969.
Lower Paxton Township.
Wickory Lane

1029.

2' Woods. Cap + stipe brown. Gills buff.

1030.

Cap buff. Gills dark brown. Stipe brown. Woods. On earth.

8 September 1969. Bolton, Mass.
Vegetable Garden, Sugar Road.

1031. *Cucurbita pepo* L.

Cucurbit

"summer squash"

Corolla orange, fruit yellow.
Vine on ground.

B. 1 bn

1032. Cucurbita moschata DuRoi
Butternut Squash.

1033. Cucurbita pepo L.
Acorn Squash

1034. Cucurbita pepo L.
"Sugar Pumpkin"

Fruit green + yellow spotted turning orange.

1035. Cucurbita pepo L.
"Gourd"

1036. Cucumis melo L.
"cantaloupe"

1037. Citrullus vulgaris Schrad.
Watermelon.

Dolton

1038. Cucumis sativus L.
"Cucumber"

1039. Cucumis Anguria L.
"Jickling cucumber"

1040. Raphanus sativus L.
radish.

Cruciferae

Petals white, pink tipped.

1041. Brassica oleracea var. botrytis L.
"Broccoli"

Cruciferae

Petals yellow.

1042. Lactuca sativa L.
Lettuce

Florets yellow. Milky juice.

Button

1043. Phaseolus vulgaris

"pole beans"

Petals white.

1044. Capsicum frutescens L. var. grossum (L.) Bailey

Bell pepper.

Corolla blue white.

1045. Solanum melongena L.

Eggplant.

Corolla lavender.

1046.

Basil?

Labiate.

10 September 1969.

1047. Cephalanthus occidentalis L.

m. "Buttonbush."

Shrub 3 m. tall cultivated at Arnold Arboretum. Flowers white, anthers yellow. Fruit greenish.

18 September 69. Bolton, Mass.

1048. Solanum. mammosum L. var. aff.

F
A-JP
K

Cultivated in garden from seeds
sent from Venezuela (#7913).
Corolla purple. Fruit breast shaped,
yellow with green veins. Pedicels
wrapping around stem at maturation
of fruit.

1049. Helianthus annuus.

sunflower.

Herb 1 m tall cult. in garden.
Rays yellow.

1050. Aster

Herb at edge of meadow. Rays blue-
violet.

Cambridge. 22 Sept 1969.

1051. Lycium

Shrub^{cult.} along Mass. Ave. at Freshman Union.
Corolla lavender. Berry orange at maturity.

1 Sept 1969. Bolton Mass.

1052. Mentha spicata L.

Herb growing along stream, Sugar Road, Bolton, Mass. Corolla pink-lavender. Leaves aromatic, odor of Spearmint.

1053. Prenanthes

Herb 1.5 m tall along edge of field near Sugar Road. Florets cream colored, nodding.

1054. Sparganium americanum Nutt.

"Bur-reed"

Aquatic herb growing in swampy place near Sugar Road.

5 October 1969. Bolton, Mass.

1155. Polygala

Herb growing in field behind Link Farm,
Sugar Road. flowers red - purple.

1156. Linaria canadensis

Scrophulariaceae

Herb on barren slope near pond.
Sugar Road, Bolton, Mass.

1157. Butens

Growing on sterile soil near pond.
Sugar Road, Bolton.

Lebanon
 Pennsylvania: ~~Dauphin~~ ^{above Ellendale} County. Stony Creek
 Valley St. Anthony's Wilderness,
 18 June 1977. Mature mixed hardwood/coniferous
 forest.

1058. Carex leptalea Wahl. *Gramin.*
 F (1) Herb in woodland marsh.
 det. A. A. Reznicek 1987.

1059. Carex torta Boott *Gramin.*
 F (1) Herb in woodland valley bottom.
 det. A. A. Reznicek 1987

1060. *Junc.*
Cyper.
 F (1) Sedge in woodland marsh.

BM 1061. Carex folliculata L.
 F (3) Sedge in woodland marsh det. A. A. Reznicek 1987.
 PIT

1062. Carex lurida Wahl. det. A. A. Reznicek 1987.
 F (1) Sedge in woodland marsh.

F 1063. Carex atlantica L. Bailey subsp. atlantica *Cyperac.*
 (1) Sedge in woodland marsh. det. A. A. Reznicek 1987.

F 1064. Carex intumescens Rudge *Cyper.*
 (1) Sedge in woodland marsh.
 det. A. A. Reznicek 1987.

1065. Drumstickia spicata Gramin.
 F (1) Grass in valley bottom in woods.
1066. Anemone thalictroides (L.) Spach.
 F (1) Herb in forest margin on slope. Fls. white.
- BM 1067. Galium circaeazans Michx.
 F (3) Herb in forest margin. Fls. white.
 PH
1068. Hypoxis hirsuta (L.) Cov.
 F (2) Herb on mountain ridge. Fls. yellow.
 BM
- 1069 Composit.
 F (1) Tall herb ~~along roadside ditch~~ in ditch along railroad bed. Open
 sun.
1070. Allium ~~tricoeruleum~~ caudense L.
 F (2) Leafless odoriferous bulbiferous
 herb in moist forest, bottom land.
 BM
 PH
1071. Uvularia Liliac.
 F (3) Herb in moist woods. Fls. green.
 BM
 PH
1072. Rosac.
 F (1) Herb on dry bank along railroad. Petals
 white.

1073. Parietaria pennsylvanica Muhl.

F
PH
BM

(2)

~~Plant~~ ~~Red-berried Elder~~

~~Grass~~ herb growing in cinders on old railroad bed. Abundant. Fls. ~~white~~ greenish.

1074. Sambucus pubens Michx.

F
BM
PH

(3)

n.v. Red-berried Elder"

Shrub to 2 m. in moist forest margin along railroad bed. Fls. red at maturity.

Harrisburg, Pa. 18 June 1977.

1075. Tropaeolum natanus L.

Cult.

F
BM
PH

(3)

Floating aquatic herb in artificial pond. 6780 Hickory Lane.

1076. Arisaema dracontium L.

(2)

"green dragon"

F
PH

Cult. herb to .8 m tall. Imm. fruits green.
Beaver Creek.

Pennsylvania: Dauphin Co. Stony Creek Valley, above Ellendale. St. Anthony's Wilderness. Mature ~~hemlock~~ hemlock/mixed hardwood forest. 14 May 1978.

1077. Hieracium venosum L.

- F (4) Herb on dry banks in woodland margin. Fls. yellow. Lvs. with purple veins.

1078. Rhododendron viscosum (L.) Torr.

- F (1) Shrub 2 m. tall along stream under hemlocks. Fls. pale pink.

1079.

- F (1) Sedge in woodland marsh.

~~Cyperace.~~
Juncace.

1080. Euonymus americanus L.

F (1)

Scandent vine in rocky woods. Sterile.

1081. Carex lucorum Link

- F (1) Sedge in woodland marsh.
det. A. A. Reznicek 1987.

Cyperace.

1082. Vaccinium

Ericace.

- F (1) Shrub 1.5 m. in hemlock woods along stream. Fls. white.

1083. Carex prasina Wahl.

Cyperac.

F (1) Sedge in woodland marsh.
det. A. A. Reznicek 1987.1084. RibesF (1) Shrub 1.5 m. in woodland margin on
slope along railroad bed.F 1085. Polygala pumila Willd.(1) Diminutive herb in moist rich woods.
Fls. pale pink.1086. Carex granularis Willd.

Cyperac.

F (1) Sedge in woodland along stream.
det. A. A. Reznicek 1987.

1087.

Pit
F (2)

Gram.

grass in woodland ~~marsh~~ swamp1088. Carex leptoneura Fern.~~Gram.~~F (2)
Pit^{herb}
~~grass~~ in woodland swamp.
det. A. A. Reznicek 1987.1089. Viola

Violac.

F (1) Herb in woodland swamp.

1090. Panax trifolium L.F (1) Diminutive herb in bottomland woods.
Fls. white. Locally abundant.

1091. Cardamine

F (1) Herb in moist woods. Fls. white?

1092. Cardamine

F (1) Herb in moist woods. Fls. white.

1093. Juglans nigra L.

F (1) Black Walnut ♂

Tree 8 m. with spreading crown. ♂
catkins green.

1094. Anemonella thalictroides (L.) Spach.

F (1) Delicate herb on slope in rich woods.
Fls. white.

1095. Celtis occidentalis L.

F (1) Tree 8 m. tall. Fls. yellowish green.
On slope in rocky woods in forest margin.

1096. Sambucus pubens Michx.

F (1) "Red-Elder"
^{spines}

Shrub 2 m. tall in moist ditch at
forest edge along rail road bed. Fls. white.

1097. Staphylea trifolia L.

- (1) Tree on ^{rocky} slope along old railroad
 F bed in moist woods. Fls. yellowish.

1098. Viola

- (1) Herb in ~~moist~~^{wet} woodland swamp.
 F Fls. white.

9 May 1978. First Mountain, ^{Linglestown} Harrisburg, PA.

1099. Sambucus pubens Michx.

- (1)
 F.

Plants of South America → ^{Duplicates of most} ~~most~~ of the following
at ECON

1 Collections by Timothy Plowman and Richard Martin. Colombia, 25 JUNE 1967 to 2 JULY 1967.

JUNE 25. ~ 2 km. from Zipaquirá along road
to Pacho.

→ number not used

[1449] Datura candida Frugmenia x candida Persoon
m. borrachero.

(= 1)

m. borrachero.

Cultivated tree ~ 3 m. beside road. Corolla

white, unripe fruits green.

INPA

K

↑
number used
R.T. Martin + T. Plowman

INPA

2

m. borrachero.

Cultivated tree ~ 3-4 m. beside road.

Corolla golden.

K, US, S

(1451) Fuchsia cf. boliviana Carr.

GH

3

Scandent, growing in Datura. Corolla pink
and white, inner petals darker red.

det Kew

K, US, S

(1452) ~~Cicuta~~ Conium maculatum L.

K, US

4

m. "sicuta"

Herb, 1 m. growing as weed in field.
fls. white.

det Kew 1975

(1453) Cucurbita ficifolia Bouché.
 6 Cultivated herb, prostrate. Corolla golden.
Econ

(1454) Papaver
 K 6 Herb growing as weed in field. Petals
 dark violet at base to light violet at top.

(1455) Vicia faba L.
 K, US 7 Cultivated herb, petals light yellow with
 blue violet and black on keel.
Econ

(1456) Solenum tuberosum L.
 8 "papa"
 Cultivated herb, petals dark violet, anthers
 orange. Unripe fruit green.
Econ

3-4 km. from Zipaquira

(1457) Vallea stipularis Elaeocarpaceae
 K, US 9 Small tree beside road. 4 m. Petals deep
 pink, calyx lighter.
Econ

Brugmansia(1458) Datura sanguinea (R + P.) D. Don

INDA

10

m. borrichera Econ.

K, US, S

Small cultivated tree. 3-4 m. Corolla yellow-gold at base to red at apex. Fruits green.

(1459) Psittacanthus

Loranthaceae

K, US, S, FH

m. "Coral"

Parasite on Datura corolla red, style yellow. Ripe fruits purple.

~~1458~~ Paramó de Guerrero

~ 20 km. from Zipaquira along road to Pacho.

(1460) Digitalis purpurea L. Econ

12

Herb growing as weed along road. Corolla violet with white.

3 K, US (1461)

G#

13

Paepalanthus

Eriocaulaceae

Small herb. flowers white.

(1462) Clethra

14

Small tree, 2-3 m. Petals cream.

K, US

2 (1463.) Weinmannia microphylla R. + P. Cononiaceae
 G/H 15 Small tree, 2-3 m. flowers cream with
 K, US violet. det Kew 1975

3 (1464.) Mouning Polygalaceae
 C/H 16 Shrub 2 m. Petals blue with yellow apex.
 K, US, S Ripe fruit blue-black.

1 (1465.) Bomarea Alstroemeriaceae
 C/H 17 Vine, petals red, peduncle dark violet.
 K

(1466.) Bomarea
 C/H 18 Vine, outer tepals red on outside, yellow on
 inside; inner tepals yellow at base, green at
 apex with dark purple spots. Anthers grey-
 purple.

(1467.) Macleodnia Vacciniaceae
 C/H 19 Shrub 2 m. Corolla red, pedicel and calyx
 K, US, S violet. Waxy corolla + fruit edible.

(1468.) Brachyotum strigosum (L.f.) Triana Melastomataceae
 20 Shrub 2 m. hanging flowers. Calyx red,
 Corolla dark violet.
 US Econ det. J.J. Wurdack 1972.

- 2 (1469) Hypericum
 G.H., K, US 21 Shrub 1 m. Petals orange. Stamens orange. Pistil light green.
- 2 K, US 22 (1470) Arcytophyllum nitidum (H.B.K.) Schlecht. Rubiaceae
 ECON Shrub 1-2 m. Petals white with violet at tip.
 det Kew 1975
- 1 (1471) Rhamnus
 G.H., K, US 23 Small tree 3 m. Pedicels and calyx dark red, cream on inside. Fruits dark red.
- 6 (1472) Griodendron lanceolatum (R + P) Bzejni Lamiaceae
 K, US 24 Small tree 3 m. Corolla cream.
 S.F. det Kuijt 1980.
- G.H. (1473) Ribes andicola Juss.
 K, US 25 Shrub 2 m. Petals yellow with red.
 det Kew 1975
- ECON, K (1474) ~~Baccharis~~ Eupatorium Compositae
 26 Shrub 2 m. Flowers white with violet.
 det. E. Zardini 1977.
- K, US, S (1475) Solenum
 27 Large herb 2 m. Petals white to cream, anthers orange. Pistil green.

1476. Bucquetia glutinosa (L.f.) DC. *Malvaceae*
 K, US 28 Shrub ~1.5 m. Petals magenta. Anthers yellow.
 J. Wurdack 1973
1477. ~~Acacia~~? Thibaudia floribunda H.B.K.
 K, US, 29 Small tree 3 m. fruits purple when ripe.
 S det. J. L. Luteyn 1976
1478. Arzgoa *Scrophulariaceae*
 Glt 30 Shrub 1.5 m. flowers white.
 K
1479. Senecio
 US 31 Shrub 1.5 m. flowers yellow.
 Glt
1480. Boerhaavia *Ericaceae*
 Glt 32 Shrub. 2 m. Petals red.
 K, US
1481. Arzgoa
 K, US 33 Shrub 1.5 m. flowers white.
1482. Phytolacca bogotensis HBK. det. T. Plowman
 Glt 34 Large herb. 2 m. Petals pink-violet and
 K, US, white. fruits maroon.
 S
1483. Berberis *Berberidaceae*
 K 35 Shrub 3 m. Petals orange with red.
 Glt
 US

- K, US 1484. Valeriana
36 Large herb 1 m. fls. white. Poisonous.
- US
TIT 1485. Baccharis Compositae
37 Small tree 2-3 m. Ray fls. cream,
tube fls. golden brown.
- K, US, SL
ECON 1486. Rubus guyanensis Focke
38 Small shrub 1 m. Calyx white with
violet. Petals white, filaments white with
violet. fr. red to dark purple. det Kew 1975
- K, US 1487. Sericotheca Holodiscus argenteus (L.f.) Maxim.
39 det T. Plowman 1975 Rosaceae
Shrub 2 m. Petals pale orange.
1488. Pentadenia strigosa (Benth.) Haussk. Gesneriaceae
40 2 meters. Corolla bright orange.
det H. Wiehler 1977.
- K, US, S, F 1489. Drimys Winteri Forst. Winteraceae
41 Tree 3-4 m. Calyx maroon, petals
cream. fruits green Econ
- G, H 1490. Macleena
42 Low shrub 1.5 m. fruits red.

1491. Espeletia Compositae
 US 43 Large herb, flowering stalk to 2 m.
 PK flowers br. yellow.
 US
1492. Miconia cf. summa Cuatrecasas Melastomataceae
 US 44 Shrub 1 m. flowers white.
 (G) det. J. Wurdack 1973.
 PK
1493. Orthrosanthus chimboracensis Iridaceae
 GH 45 Herb 1 m. petals blue violet, anthers
 PK yellow orange.
1494. Castilleja
 GH 46 Herb growing among grasses. Anthers
 orange, bracts red. Corolla red + green.
1495. Plantago
 GH 47 Herb. Bracts maroon + green. Pistil yellow-
 K green.
1496. Baccharis
 48 Growing in water. flowers white. 6".
1497. Hypericum
 GH 49 1.5 ft. flowers bright yellow.

(1498) Halenia Gentianaceae
 F 50 Herb 0.5 m. Petals white to pale green.

(1499) Geranium
 Git 51 Herb 0.5 m. Petals violet.

(1500) Lobelia xalapensis HBK. det. S. Jefferies 1981.
 ECOL 52 Herb 2 ft. Corolla blue with yellow on
 inside and purple at base.

(1501) Gaultheria Ericaceae
 53 Shrub 1 m. Petals cream.

(1502) ~~Baccharis~~ Senecio
 ECOL LP 54 Shrub 1-2 m. flowers yellow.
 det E. Gardini

(1503) Vaccinium Ericaceae
 K 55 Corolla red. Shrub 1.5 m.

(1504) Vaccinium floribundum H.B.K.
 K 56 Small shrub 1.5 m. Corolla red. Ripe
 ECOL fruit dark blue.
 det. J. L. Luteyn 1976.

* 26 JUNE 1967. Universidad Nacional - Instituto de Ciencias Naturales.

- ~~1505.~~ *Brugmansia sanguinea* ssp. *vulcanicola* (Beeby) Lockwood
Datura vulcanicola ^{shrub}
 37 In garden. Small tree 1.5 m. Planted in
 F garden by R.E. Schultes. Corolla light red with
 Gold et tip.

* 27 JUNE 1967. Road to Girardot out of Fusagasugá.
 Quebrada seca.

- ECON ~~1506.~~ *Erythroxylum hondense* H.B.K.
 MO 58
 K, US
 B
 m. "Coca". Shrub growing beside river in
 thicket. 2 m.

- ECON ~~1507.~~ *Erythroxylum hondense* H.B.K.
 K 59
 F
 Shrub 3 m. in woods. Dry area.

* 28 June 1967. Road to Paramo' de Chisica from
 Usme.

1508. *Elephoglossum*
 K, US 60.
 S VT
 fern growing beside road.

1509.

61

Prostrate herb.

~~1510.~~ Hypericum mexicanum L.GHT K 62
F

Small shrub 1 m. tall.

det. C. Niezgoda 1982.

1511. BaccharisEOD
LP

63

Shrub 1.5 m.

Compositae.

1512. SolanumK
F

64

Shrub 1 m. Corolla purple. fruits green turning black. Solanaceae

1513. Valeriana

GHT

65

Herb. Growing in stream.

1514

66

Shrub 1.5 m. Petals orange.

WT

1515. Jamezonia

K

67

Herbaceous fern. 0.3 m tall.

1516. Jamezonia

F

68

fern 0.5 m.

~W

1517. Hypericum

GIT 69 Shrub 1.5 m.

1518.

LP 70 Shrub 2 m. Rays lavender.

Compositae

1519. Hypericum

GIT 71

1520. Arnica

72 used medicinally for asthma.

Compositae

1521. SenecioLP
US 73 Shrub 1.5 m.

Compositae

1522. SenecioGIT
US
LP 74 Herb 1 m. Rays magenta-purple.

Compositae

1523. Epilobium meridense Haussk.MO
DWP 75 Herb 10 cm. Petals pink.
det. J. Dobson 1978.

Onagraceae

1524. GeraniumGIT
K, US
F 76 Prostrate herb. Petals pink.

1525. Hypericum

GH K 77 Prostrate herb.

1526.

78

Herb 10 cm. Rays white.

Compositae

1527.

79

Herb 15 cm. Petals lavender.

Gentianaceae

1528.

80

Castratella piloselloides (Bongl.) Naud.

Herb 20 cm. det. J. Wurdack 73

Mulsztomataceae

1529.

81

Eriocaulon microcephalum H.B.K.

Prostrate herb.

Eriocaulaceae

1530. Elaphoglossum

82

fern 20 cm.

Lomariopsidaceae

1531. Lycopodium cernuum

83

Creeping herb.

1532.

84

Miconia cf. elaeoides Naud.

Shrub 2 m. Petals cream.

det. J. Wurdack 1973

Melastomataceae

1533.

85

fern.

1534. Blechnum

86

fern 0.5 m.

Blechnaceae

1535. Valeriana

87

Herb 30 cm.

1536.

88

Herb 20 cm.

Cory. phyllaceae

1537. Castilleja?

1/10

89

Herb 30 cm.

Gentianeaceae

1538.

90

Vine. Petals purple.

Leguminosae.

1539. Castilleja fissifolia L.f.

Gt, Mo

91

Shrub 1 m.

det. P. Mätekaitis 1983.

K, U, S, S, F

1540. Lupinus

92

Herb 30 cm.

Gt

1541. Arctophyllum muticum (Wedd.) Standl. Rubiaceae
Krus 93 Prostrate herb.
F

1542.
K 94 moss.

1543.
95 lichens. Growing on soils along road.

1544. Eucalyptus globulus Labill. Myrtaceae
Krus 96 Tree 30 m. 5 km from Usme along
S, R road. det. T. Plowman

* 27 JUNE 1967. Road to Girardot out of Fusagasuga at Quebrada Seca.
about 5 km from Fusagasuga

1545. Apocynaceae
K 97 Vine growing in 2° growth. Milky
juice. Corolla pale yellow.

1546. Parakohleria sp. nov.
98. Suffrutescent herb. 1 m. petals pale
blue. det. H. Wiehler 1977

1547. Struthanthus Loranthaceae
 ECON K 99 Scandent in tree tops. odor of gardenia.

1548. Stylosanthes Leguminosae
 GH 100 Herb 1 m. Petals, orange-yellow with
 red streaks on keel.

1549. Croton Euphorbiaceae
 GH K 101 Shrub 2 m. ♂.

1550. Croton
 GH 102 Shrub 1 m. ♀.

1551. Nymphaea amplo Nymphaeaceae
 103 Aquatic herb growing in stream. Petals
 white.

(1552.) Lycoseris mexicana (L.f.) Cass. Compositae.
 K 104 Scandent Shrub. Ray florets bright orange.
 ECON det. E. Zardini 1/77.

1553. Serjania ~~Nymphaeaceae~~
Sapindae
 K 105 Vine growing in 2° growth thicket.
 MO

1554. Dioclea

Leguminosae

106

Vine growing in thicket. Corolla purple.

* ~~1554~~ 27 JUNE 67. 5 mi. from Fugagesuga where
road forks to Arbelacz.1555. Potrophyllum ruderale (Jacq.) Cass. Compositae

107

Suffrutescent herb 1.5 m growing along
road. det. S.H. Zardini 1977.1556. Ayeria Corchorus

G/H

108

K
MOShrub in thicket. 2 m. Petals yellow.
Along stream. det. J. Solomon 1978.1557. Cassia

Leguminosae

K

109

Tree 10 m. along stream. Petals bright
yellow.1558. Calliandra

Leguminosae

K US
F

110

Tree 12 m. Stemens pink.

1559. Miconia rufescens (Aubl.) DC.

Melastomataceae

111

Shrub 1 m. growing on hill side.
det. J. Wurdack 1973

1560. Solanum

Solanaceae

K, US 112
Mo

Shrub 2 m tall. petals white.

1561. Centrosema

Solanaceae

Mo

113

Shrub 3 m. growing in thicket by stream.
Fruits green.1562. Solanum

Solanaceae

114

Herb 30 cm. Petals white, fruit green.

1563.

115

Menispermaceae

Vine growing along stream in thicket.
Petals yellow.1564. Psidium guineense Sw.

116

Small shrub 20 cm. Petals white.

det. R. McVaugh PG.

1565. Myrsine sp. pellucida (R. + P.) Spreng. f.

Myrsinaceae

117

Shrub 1 m. growing on hillside.

det. P. P. Pipoly 1986.

1566. ~~Alternanthera~~ Mandevilla

Apocynaceae

118

Vine growing on shrubs on hillside.
Corolla yellow.US
ECON

KUG
Mo 119 1567. Physalis peruviana L. Solanaceae
Shrub 1.5 m. Corolla greenish-white.
det. J.M. Toledo 1984.


GH 120 1568. Piper Piperaceae
Shrub 1 m. tall.

GH 121 1569. Clusia
Petals pink, fleshy.

GH
KUS 122 1570. Solanum
Shrub 3 m. tall. Petals white. fruit black.

1571.
123 Shrub 0.5 m tall along road. Petals yellow.

1572. Apocynaceae
124 Scandent shrub growing in thicket.

*  LETICIA. 2 JULY 1967.
Dirt road just west of town.

1573. Limnocharis flava (L.) Buchenau Pontederiaceae
125 Herb growing along roadside in gutter.
Petals yellow. det. T. Plowman 1983.

1574. Tabebuia serratifolia (Vahl) Nichols. det. A. Gentry 1972.

126 "palo de arco" or "tahuarine"

MO

VEN

Tree 20 m. Sterile but fls. said to be yellow.

use: the bark is boiled for about 2 hours and infusion used for everything; reputed to be cure for cancer.

1575. Solanum

Solanaceae

GH

127

"Cura beba"

K, US

Shrub growing wild beside road. Corolla white, anthers orange.

1576. Solanum

Solanaceae

K

128

"lulo"

GH

INPA

Corolla cream, anthers yellow. Shrub 1.5 m. along road. Juice of fruit used in making sweet drink; fruit orange.

1577. Cissus erosa Vahl det T. Croat 1975

Seol

129

Small vine along road. Peduncles + petals red, pistil orange. fruits dark red-violet.

J

1578. Piper

GH

130

"cordoneillo"

K, US, S

Small shrub, inflorescence white. Beside road.

1579. Allamanda cathartica L.131
INPA
VEN

Shrub to 2 m in field. Probable escape from cultivation since it is used as ornamental for houses. Corolla yellow.

1580. Phoradendron

Loranthaceae

132

Parasite on Citrus. Petals dark red-violet. Ripe fruits orange.

1581. Oryctanthus occidentalis

Loranthaceae

133

Parasite on Vigna. Petals dark violet but soon dehiscent. Unripe fruits green.
vu. "matadora" det. Croat 1978

1582. Brumfelsia grandiflora D. Don sp. schultzei Solanaceae

ECORJ (134)

vu. "cacao bravo"

AK, US.

Shrub 1.5 m tall growing in field. flowers pale violet to white. faint odor of peppermint

1583. Mandevilla

Apocynaceae

KUS 135

vu. "feijão bravo"

Vine growing in dense thicket. Corolla pale green at base becoming yellow. Orange red on inside of lobes.

Mandevilla1584. Prestonia

ECON 136

Vine. m. "fachi". Apocynaceae
 at base to yellow at lobes, with red and
 white on inside of tube.

(the P. pachycalyx form).1585. Palicourea condensata Standl.

ECON 137

Rubiaceae

Small tree 4 m. Ripe fruits dark blue.
 Pedicels magenta. Corolla light violet and
 velvety. Det D. Simpson 1972

1586. Solanum

GHT 138

m. "café bravo"

Large vine ~5 m. in 2° growth. Ripe fruits
 red; unripe white. Calyx white.

1587.

(139)

fungi erumpent on the culms of a grass
 in 2° forest. Sporangia black turning
 white.

1588.

(140)

fungi growing on decaying log. white.

1589.
(141) fungi on decaying log.

1590.
142 ru. "ingazera"
Small tree, 5 m. Young fruit green.

1591. Selaginella
143 Herb on ground in 2° forest.

1592. Solanum grandiflorum R. & P. → S. kionotrichum Pittier
144 Tree 5 m. Corolla purple, stamens yellow.
ECON Thorns on trunk. fruit yellowish, green at
Citt maturity. Edible but with very sour taste.
det. T. Plowman

1593.
145 ru. "Zapote" Cultivated in garden of
Señor Wendurraga for edible fruit.
Tree 6 m.

1594.
146 ru. "borrachera" Shrub 2.5 m. Calyx green
maturing before corolla. Corolla white.
Cultivated in Wendurraga's garden.

1595.

147

vn. "Caimo"

Small tree 6 m. Cultivated in Wandunaga's garden for edible fruit.

1596. Inga

148

vn. "guema torcida."

Tree 6 m. cultivated in garden. Stamen filaments white, fruit 1 m. long. White pulp around seeds - edible.

1597.

149

Scandent herb growing in thicket along river. Perianth red-orange.

1598.

150

Herb 1 m. tall. in thicket along river. Perianth white.

1599.

151

Erythroxylon coca Lam. var. ipadu Plowman
vn. "Coca" "jibe" (Huitoto)

Shrub 1.5-2 m. leaves are dried and pulverized before use. Green leaves best.
Det. Plowman 1981.

Collections from Iquitos area: Summer 1967.
Timothy Plowman, Richard Martin, Cesar
Leo-Cant.

Correct
Numbers

11 July 1967. Road on outskirts of town.

↓ 1600. Mimosa polydactyla Humb. & Bonpl.

ECON
INPA

ru. "cierra tu puerta que alli vine tu merido"
Low spreading herb. flowers white, fruits
green, turning dark brown when dry.
Use: Decoction of root taken 3x a day for
rheumatism. Powder from dried leaves
mixed with tea or coffee used to 'lower
a person's character.'

K. US 1601. Isotoma longiflora Presl

ECON
INPA

ru. "flor de sapo"

Apocynaceae

Herb 0.5-1 m. beside road. Corolla white.

Milky juice.

K. US 1602. Mucuna rostrata Benth.

Papilionaceae

S GTH ru. "Cumaparo rojo"

Vine in 2^o growth. 3-4 m. Petals bright
orange-red, fruit green with short brown
spines which are very irritating to skin.
The leaves are boiled and the infusion

used to wash wounds.

K 1603.
US INPA

Allamanda cathartica L.

Apocynaceae

var. "Cumaparo amarilla"


use: 2 flowers + 3 leaves are cooked with ayahuasca for 6 hrs. Commonly used by brujos. When ayahuasca drunk alone, do not see visions.

K US 1604.

Same as above. Tall vine in 2° growth. To 6 m. Apocynaceae

K 1605. Cestrum sendtnerianum Mart. ex Sendtn.

var. "yerba santa"

Shrub 1-2 m. in 2° growth. 

use: Leaves digested with cold water used externally by pouring on head of patient to alleviate headache.

K 1606. Lantana cujabensis Schau.
US INPA

var. "yahuar albata"

det H. N. Moldenke 1976

Shrub 2-3 m. Corolla red with orange on inside of corolla lobes. Common in 2° growth.

use: Used for internal fever of children up

~~1606~~. until they are 8 yrs. old. Decoction of ground leaves. Drunk in morning and in afternoon.

K₂ 1607. Piper hispidum Sw.

m. "cordoncillo nudillo" det. R. Callejas 1981.

Semi-herbaceous shrub, 1-2 m.

Inflorescence cream. common in 2^o growth

Use: A glass of the infusion of lvs. is drunk to ease childbirth. + stem

1608. Piper

m. "cordoncillo nudillo de la hoja grande"

Suffrutescent herb 2-4 m. same use as 1607.

* 12 July 1967. Same locality.

1609. Scoparia dulcis L.

Econ. m. "nucño pichón"

Herb, somewhat woody, 0.5-1 m. in low growth beside road. flowers white. Used for bronchitis, coughs, & internal fevers of children. Lvs. mixed with urine of child and few drops of lemon and

drunk. Opens up what is closed inside the chest.

1610. Chenopodium ambrosioides L.

Econ.

rn. "peico"

Small herb 0.5-1 m. Beside road.

1611. Croton
Acalypha

Euphorb.

rn. yanoverilla

Small shrub 1-2 m.

K US
S F

1612. Nedychium coronarium

Zingiberaceae

Herb growing in dumps in wet areas.

K US 1613. Cassia

rn. "retamilla" "hoja del aire"

Small shrub 1-2 m. flowers yellow.

Para Choque del aire: When child is vomiting or defecating, leaves ground & mixed with water and yed to wash children.

K 1614. Nymphaea ampla

WPA

Nymphaeaceae.

Aquatic herb in cén. Petals white.

Det. T. Plowman

1615. *Polygonum portoricensis* Bert. ex Small.
 Ecu. INPA: var. "largito tohaco"
 Growing in wet places. fls. white.
 use: to wash wounds with puss.

1616. *Genipa americana* L.
 Ecu. F: var. "huito" Yagua det. Simpson 1973
 Tree up to 40 m.
 use: A syrup is made from fruit for coughs.
 used by singers so they will never lose
 their voice.

14 July 1967. Moyuy. Rio Amazonas. 2 hrs.
 up from Iquitos. in muddy wet
 sandy soil along banks.

1617. *Solanum*
 Ecu. Mo. U.S.: var. "secha congompae"
 Small tree 1-2 m. Petals white with
 pink; anthers yellow.
 use: Decoction of fresh leaves with cold
 water applied to skin for itching.

R 1618. Gurania pachypoda Harms

ru. "mashu micuna." det. T. Plowman 1972

Vine climbing to 6 m. in 2^o growth. Glycer orange, corolla yellow.

K 1619. Solanum

Solanaceae

ru. "arco sacha blanca"

Suffrutescent herb 1-2 m. Petals white, anthers yellow.

1620. Brassica nigra L.

Cruciferae

ECON

ru. "mostaza"

Escaped from cult. Herb. Fls. yellow.

1621. Coriandrum sativum L.

Umbelliferae.

ru. "culenitra" ECON

Escaped from cult. Herb.

1622. Portulaca oleracea L.

ru. "verdulga"

Ground herb.

K 1623. *Chamissoa macrocarpa* HBK.
 ru. *yacananu sache*?

Vine. Perianth red-violet. Fruit white.

Use: infusion of whole plant used to wash
 fungus infections.

KUS
 3 1624. *Tabernaemontana* sp.

Apocynaceae.

ru. "lobo sanango"

Small tree 2 m. Corolla white.

Use: white latex is put on cuts and
 covered for 6 days and then will be
 healed. Also for "llagas". The root and
 stem is used as *sanango* but is less strong
 than "chiric" or "uchu". A decoction
 is used. The root is rasped and put
 on cuts.

K 1625. *Aegiphylia peruviana* Turcz. det H. Moldenke 1976.
 ECON
 ru. *arco Sacha* "chirapa Sacha"

Small tree 2-3 m. fruits yellow.

Use: infusion of leaves or cortex used to
 wash *quemadura de arco*. Fresh leaves
 applied to cure it. Also decoction of bark
 and leaves used to wash. When touched
 wet fruit, they fall to the ground unconscious

for 15 min. after which they recover completely.

K 1626. Streptocalyx angustifolius Mez Bromeliaceae
 var. "piña" det. L. B. Smith 1972
 Epiphyte. Bracts red and violet.

K 1627. Chlorophora tinctoria Moraceae.
 var. "incira"

Tree 5 m. on river bank. Latex white.
 use: latex used for toothache. A piece of
 cotton soaked in milky juice is placed
 inside cavity. Within 15 days tooth starts
 disintegrating so it can be removed
 painlessly by small portions.

K 1628. Anthurium scolopendrinum (Ham.) Kunth. Araceae
 ECON var. "patquina"
 Epiphyte. fruits red. det Kew 1975

K 1629. Monstera ~~sp.~~ adansonii var. lanata (Schott) Madison Araceae
 ECON var. "patquina" det. Madison 1977.

Climbing epiphyte on trees along river.
 det Kew use: ornamental. Supposedly if you have
 this plant, you will always have guests.
 Limeños send for it. Fruits burn mouth on
 eating.

opp. bank of Amazonas above Isla Petre?

- K S 1630. Pterocarpus amazonum (Mert. ex Benth.) Amshoff Papilionoideae
US
var. "cuchiqui hueyo" (collqui)
Small tree 6 m. Petals orange.
det. S.F. Smith 1985.

1631. Coussarea hirticalyx Standl. Rubiaceae
ECU
F var. "tahuzumba Caspi blanco"
Small tree, 3 m. flowers white.
det. D. Simpson 1973

- K, US 1632. Leonia glyocarpa R. & P.

Violes?
Leguminosae?

- var. "tamara" (del alturo).
Tree 10 m. Petals yellow.

- K 1633.

leguminosae

- var. "peshra"
Small tree 4 m.

- K 1634. Psychotria lupulina Benth.
var. "tahuzumba caspi"
det. D.R. Simpson 1972

1635.

- var. "capinuri."
fruits and seedlings.

1636. Syngonium podophyllum Schott Araceae
 F. ru. "patquima" (de la hoja zucha)
 Use: milky juice if applied to insect
 bites (from isula, large spiders etc).
 det. T. Croat 1980.

1637. Lecythidaceae
 ru. "haya una"

1638. Teliostachya lanceolata Nees var. crispa Nees
 GtH ru. "foe negra" in Fl. Mart. Bras. 2: 72. 1847.
 Herb 0.5-1 m. Cultivated in garden. flowers
 white with violet.
 Use: used as mixture with zyzhuasca.
 2 branches cooked with zyzhuasca for
 above 11 hours. When drunk alone you
 lose sight for 3 days. Effects last 3
 days, conversing with the genie of the
 plant. About 40 lvs. cooked gently
 for 7 ~~11~~ hours.

1639. Datura suaveolens Humb. & Bonpl. ex Willd.
 Ecom. ru. "foe" "Sacha foe"
 INPA Tree 2-3 m. Cultivated. Corolla white with red.
 Use: QA mixture with zyzhuasca - about 6 leaves.
 USED alone - about 10-15 leaves. 20-25

leaves will cause temporary blindness
and insensitivity (possibly)

K 1640. Jatropha Curcas L.

in. "piñon blanca"

Small tree in garden in Iquitos. 3 m.
Petals light green. Anthers yellow.

Rio Itaya

RWS 1641. Crataeva ~~sp.~~ Benthamii Eidl. Cappariaceae
in. "tamará"

Tree 3-6 m. Petals cream; anthers and
filaments maroon. In low bank flooded
at high water.

Use: the cortex mixed with chayacana
boiled with water used for washing
wounds and scars.

1642. Alchornea castaneifolia
INPA in. "hiporuru"

Euphorbiaceae

Tree up to 10 m. in low bank when Itaya
joins Amazonas, flooded in high water.
Use: tincture of whole plant macerated

with aguardiente, used for rheumatism.

1643. Psychotria ernesti Krause
 var. "palometa huayo"
 Small tree 3m.

Det. D.R. Simpson 1972

KUS
 S 1644. Coccoloba lehmannii Lindau

Polygonac.
~~Araceae~~

Tree 3m. Petals cream. Det. R.A. Howard 1983.

KUS
 S 1645. Lagerstroemia indica L.
 var. "huanaco"

Shrub in undergrowth. 2-3 m.

Picuru-yacu

1646. Cinchona?
 var. "cascarilla"

Rubiace.

Tree 10m. Sandy soil. Corolla white.

1647. Cephaelis tomentosa (Aubl.) Vahl
 var. "cresto de gallo"

INPA

K 1648.

ru. "pichirino de la hoja verde"

US K 1649 Tococa guianensis Aublet sens. lat. Melastomaceae
 voucher for ant specimens! det. J.J. Wurdack 1972.

K 1650. Abuta grandifolia (Mart.) Lane

Econ

ru. "moko Senengo macho"

det B.A. Krueff 1977

Small tree ~ 2m. in shady forest on sandy soil.

use: 3 roots cut in pieces, macerated in aguardiente is taken for rheumatism (without diet). or macerated in a glass of water. Patient has to keep diet without salt, butter, ají, sex, etc.

K 1651. Pseudoranthemum

Acanth.

1 m. in undergrowth. Petals white.

→ P. deflexo DC. det. J. Dwyer 1977.

K 1652
Econ

Psychotria lorentensis Standl.

Rubiaceae

Small tree flowers yellow.

det DR Simpson 1972

K 1653. Psychotria lorentensis Standl.

Rubiaceae

ru. "paloma micuna"

Small tree 2m. fruits red.

det DR Simpson 1972

Pecunia yacui

1654.

Rubiaceae

Small tree. flowers yellow.

K 1655. *Anaxagorea brachycarpa*

Annonac.

ru. "tortuga" (Espintana)

foto

Small tree, 3m. in 2° forest.

1656. *Geonoma juruana* Mart.

BH

ru. *ponilla*

det. Hal Moore 1972

3-4 m.

1657. *Bactrus* sp.

BH

ru. *palmicha*

det. Hal Moore 1972

2.5 m tall. fruits red orange.

K 1658.

US
S

vine 5 m. Corolla yellow with red. Apocynaceae

K 1659 a. Gesneriaceae

K 1659 b.

US
S
ECON1659 b. Sapindaceae - small leaflets & fruit *Poullinia*

Small tree 4 m. petals cream, anthers yellow.

K 1660. *Siparuna*

m. "Isula gacha" "Isula caspi"

Small tree or shrub 2-3 m. fruits red.

1661. Dracontium

Araceae

photo-SEL ru. "Jergon Sacha"

Herb 2m. Stalk of leaf with 3 apical
lettets. inflorescence on stalk 1m tall.USE: the tuber is ground into paste and
wrapped in a piece of bijao (Maranthaceae).
and warmed in the fire. This then applied
as a plaster for snake bite.1662. Drymonia serrulata (Jacq.) Mart.

Gesneriaceae

DUB
ECONdet.
Hans
Wiehler
1975

ru. "Cresto de gallo blanco"

Scandent shrub 2m. Bracts white to
pale green. fruit splits to reveal bright
red interior (ovary wall).

1663.

Solonaceae

ru. "arco Sacha"
fruits red.1664. Anthurium

Araceae

F

"petquina"

1665.

Solonaceae

Suffrutescent herb, 1m. Petals light blue-
violet. Anthers yellow.

1666. Pseudocalymma alliaceum (Lam.) Jendr.

ru. "ajo Sacha hembro"

Vine 2-4 m. Cultivated in garden.

USE: decoction of leaf is taken with cold water for rheumatism, colds etc. Patient has to keep diet of salt, butter, chuncho, sugar, etc. When decoction made with aguardiente, no diet is observed.

1667. Psychotria

Small tree 8 m. Corolla orange-red.

Mishuayacu

1668.

ru. "mvenilla"

Shrub 2 m. Perianth parts green with red. Style dark red. fruit, brown-red.

USE: infusion of cortex used for diarrhea.

K. 1669.

"Zancuro caspi"

Small tree, common in 2^o growth. 3-6 m.
no use.

1670. Miconia Bp.

Melastomataceae

US

m. "riferi" (Tello), "mullaca negra arhuato"

Tree 5m.

use: leaves boiled in water and water drunk for the lungs as in tuberculosis.

K 1671

m. "mvena" (de la hoja menuda)

Small tree 3-4m in 2° growth. Calyx red, fruit black.

use: infusion of bark used for diarrhoea (all that is mvena is used this way)

→ P. aff. viridis R. + P. det. J. Dwyer 1977.1672. Psychotria albobiridula Krause

Rubiaceae

ECON
MO

m. "paloma micuna"

Small tree 2-2.5m; 3 cm. diameter. fruit red. det DR Simpson 1972

K, US 1673. Solanum

Solanaceae

INPA

Stem pubescent herb 2m. Petals pale blue-violet; anthers yellow.

1674. Clusia

Guttiferae

m. "renacuillo"

Tree 5 m. Petals (in bud), white with red. Latex white.

USE: para quebradura.

1675 — Philodendron

Araceae

F. photo m. "Patquina"

Large herb 2 m. with huge leaves (3 ft long). Abundant clear sticky sap. Spathe completely investing spadix growing at end of sandy clearing.

R
US
ECON 1676. Couepia canomensis (Mart.) Benth. ex Hook f.

"muenilla"

det J. T. Prance 1972.

Small shrub 2 m. fruit velvety, green and brown.

USE: bark in infusion used for diarrhoea.

det Madison 1981.

1677. Anthurium wittianum Engl. → A. eminens Schott

Araceae

ECON, F Climbing herb 2 m. epiphyte on tree trunks. Spathe dark red, dehiscing. Spadix white turning purplish.

growing in thick 2° growth.

det. M. Madison 1972

1678. Drymonia serrulata (Jacq.) Mart.
det H. Wiehler 1977.

Gesneriaceae

1679. Schizaea pennula Sw.

fern growing in sandy clearing.
GtH, WPA

1680. Syngonium

Araceae

Photo Large herb growing in 2° growth. 1.5 m.
with fruit.

1681. Philodendron linnzei Kunth

Araceae

F Epiphytic vine 6 m growing on trees
in 2° forest. Aerial roots encircling trees.
Red milky latex. Sterile. det T. Croat 1985.

* 26 July 1968. Rio Nany. Lopuna.

K 1683. Palicourea charianthema Standl.

Rubiaceae

F Small tree 2-3 m. Corolla orange;
↑ ↓ rachis, pedicels, calyx red.
det R. Simpson 1972

K 1682 Strychnos

vu. —

Liana 7 m. flowers and fruit green.

K
US
S

K 1684.

ru. renaguilla

Tree about 6 m. Petals white.

K 1685. *Psychotria ~~adans~~ calochlamys* Standl. RubiaceaeF Small tree 2-3 m. Bracts maroon, corolla light violet with yellow on inside. fr. purple.
det D.R. Simpson 1972K 1687. *Coussarea hirticalyx* Standl.

ECON ru. "tahumba caspi" det. D. Simpson 1973.

Small tree 2-3 m. Corolla white. No use.

K 1686. *Pseudolmedia laevigata* Tréc. *Mimaceae*
ECON Small tree 5 m. fls. cream. Unisexual. Latex white, sparse. det. C.C. Berg 19761688. *Heliconia julianii* Barreiros

Mugaceae

GIT un. "bijao" det. L. Andersson 1985.

ECON Herb 1-2 m. Bracts red. Perianth white and dark red.

K 1689. *Psidium* sp. ^{wrong collector} *E. porriflora* → det Mori 1984
Eschweilera amara Aubl. *Legthidaceae*
det. Mori 1981.

ru. Cimpá caspi

det Kew Tree 5 m. Petals white. Stamens and staminodes orange.
Photos.

1690. Pithecellobium vel aff.
~~Mimosa polydactyla Humb. & Bonpl.~~
 Econ. m. pashaca (soga)
 vine. Perianth pale yellow.

1691. Viola calophylloidea Markgraf
 GH
 ECON
 INPA
 K, US
 m. "cuma la blanca"
 small tree 5 m.

K 1692. Himatanthus sucumbans (Spruce) Woodson.
 Econ. m. bellaco cospí
 tree, 6 m. Infl. and corolla pale yellow.

Rail to San Pedro from Lopena

Econ
 K 1693. Martinella iquitosensis A. Sampa. Bignoniaceae
 m. "yuquilla amarilla" det A. Gentry 1978
 vine 3-4 m.

F 1694. Palicourea bracteosa Standl. Rubiaceae
 small tree 2-3 m. Corolla white, pedicels
 and rachis yellow. det DR Simpson 1972

1695. Inchuosiphon Merenderaceae
 Glt Herb 0.5-1 m. fls. white.

K 1696. Abuta grandifolia (Mart.) Jacq.
m. "moleto sanzugo hembra"
Small tree, 4 m.

det B. A. Kruckhoff
1977.

1697. Philodendron holtonianum Schott

Araceae

F m. "patquina"

det. T. Croat 1982.

Climbing herb, 4 m.

1698.

m. jergon facha de l. bajo.

Herb 2 m. growing in spring. Spathe
free from spadix. Petiole resembles snake.

1699. Erythroxylum gracilipes Peyr.

(2)

m. facha Coca.

det. T. Proumen 1979.

ECOW
F

Small tree 2-2.5 m. fruit orange yellow.

In sandy soil, dry, altum. 2° forest.

1700. Erythroxylum?
m

Small tree, 1 m. fruit green.

K 1701

m. Cerahuzca

Small tree, 10 m.

Annonaceae

1702.

Araceae

m. Jergon Sacha.

Spathe black outside, green inside.

~~1702~~ 27 July 1967. Trail from Lopuna to Mamom.→ *Drymonia coccinea* (Aubl.) Wiehler det Wiehler 1981.1703. ~~Attoplectos~~ *Drymonia* sp. nov. aff. *D. doratostyla* (Lwbg.)
ECON m. "arco Sacha" (trepadora) det. H. Wiehler 1977.
Vine 7 m. Bracts red. Corolla yellow.1704. *Caladium?* ~~bicolor~~

Araceae

photo

m. "petquina negra."

R 1705. *Xanthosoma*

Araceae

m. petquina

Abundant milky juice. Herb. to 1.5 m.
Spathe free above, white. Spadix white
above, orange below. Beetle pollinated.

1706.

m. "anona del monte"

Small tree 3 m.

1707. Philodendron
Photo

Araceae

1708. Pseudocalymma allizaeum (Lam.) Sauer /
vn. "ajo Secho macho"
Small tree 2 m.

K 1709. Spondias mombia L.
vn. "ubof"
Seedlings next to large tree 30 m.

K 1710. Virola ceclophylla (Spruce ex Benth.) Warburg
Ecn vn. Cumala roja
Tree 5 m.

K 1711. Pithecellobium vel aff.
vn. "Shimbillo venenosa"
Tree 4 m. fls. white.
Use: fruit used for cuchipi.

Mimosaceae

K 1712. Passiflora coccinea Aubl.
det Kow vn. Granadilla venenosa
Tree 10 m. Bracts red, petals red. Aftal
yellow, style red.

1713. Paullinia
Liana 10 m. fruits red. Poisonous.

1714. Cucurbitaceae
Vine, corolla orange.

1715. Justicia
m. "Carissa Caspi"
Tree 2 m. fls. pink, violet.

B. grandiflora var. Schultzei
1716. Bumelia bonariensis (Vell.) Macbr. det. subsp. Schultzei
ECON
F ru. "Chiric Saungo del altura"
Small tree, 1.5 m.

1717.
ru. "tugarana negra"
use: bark in infusion used for diarrhoea.

1718. Psychotria macrophylla R. & P. Rubiaceae
ru. "Carisso Caspi (del blanco)"
det. DR Simpson 1972

1719. Araceae

1720. Palicourea paraensis (M. Arg.) Standl. Rubiaceae
 F
 EcoV
 ru. "Cerisso Caspi" "Cerisso morona"
 Small tree, fr. blue to light grey.
 det DR Simpson 1972

K 1721. Potalia amara Aubl.
 ru. "Curarino"
 Small tree. 2-3 m.

1722. Casearia javitensis H.B.K.
 GH
 ECON
 US
 ru. "muenilla" det. Steumer 1980.
 Tree 7m. Petals cream.

Expedition to Rio Napo.
 2 August 1967. Rio Amazonas.

K 1725. Pistia Stratiotes L. Iaccae
 INPA
 ru. "huzuma"

Aquatic herb floating on river.

Photo: F
 use: used together with paiche curu for
 llagas (infected wounds). Two plants are
 boiled in water and covered with panta
 maria. When sound of boiling stops, lift leaf
 and place wound over pot and let steam come
 up. Microbes will drop into pot. (ahumar sudor
 se'co)

3 August 1967. Poichehuehuz. Rio Napo.

1726. Bundusia armeniaca (Cavendish) DC.

ECON

vn. "ciruelo"

Tree. fleshy petals cream to yellow.
fruit edible, orange.

1727. Cyphomandra betacea

vn. "Siuca Sacha"

Shrub 2 m. Petals green. Anthers cream.
Strong odor.

1728.

Araceae.

vn. "patquina blanca"

Herb. milky juice.

1729. Cornutia odorata (Poepp. & Endl.) Poepp.

Verbenac.

ECON

vn. "oquera"

det. H.N. Moldenke Sept. 1973

Small tree, 3-4 m. Corolla blue-violet.

1730. Hasseltia floribunda H. B.K.

ECON

Tree 5 m.

det. Sleumer 1980.

~~Myrsinaceae?~~
~~Mentha~~

1731. Calathea lutea

vn. "bijao"

det. T. Plowman

Marantaceae

2-3 m. flowers yellow, fruit red-orange.

yr. leaves used to make boxes and to wrap fish.

1732.

ru. "cocanilla"

Cultivated shrub 1.5 m. Petals violet outside, white inside. Anthers yellow.

1733. Solanum incurvum R. & P.

Econ. ru. "sacha congompe"

Shrub 2 m. Petals white, anthers orange-yellow.

R. 105/1734.

Tiliaceae

ru. "usa huzyo"

Tree 5 m. Petals white, filaments yellow, anthers orange.

USE: if fruit eaten, hair will be abundant.

1735.

ru. "solanum caspi"

Calyx? pink.

4 August 1967. Rio Sucasari.

1736. Croton cuneatus Klotzsch

Econ. m. "puma Caspi" (risari)

US F

Tree 12 m., 10 m. from bank of R. Napo.
Petals on buds cream.

R 1737. Compsiadra laurifolia Benth.

Econ m. huacapurana

Tree 12 m., Petals white with red violet.
Unripe fruits green.

use: bark used in infusion or with aguardiente for anemia and rheumatism. Gives much blood.

1738. Miconia splendens (Sw.) Griseb.

US

m. "risari" "mullaco arbuglo"

Tree 6 m. flowers white, fruit orange.

KMS 1739.

MO

Solanum oppositifolium Ruiz + Pavón
m. "Sache congompe." det. S. Knapp 1985.

Solanace.

KMS 1740.

S

Lacistema aggregatum (Bergius) Rusby

Flacourt.

m. "versugo Caspi"

det. Sleumer 1980.

Small tree, 3 m. fruit red.

K 1741. Mimosa

Mimosaceae

1742. Croton cuneatus Ktze. Sch.
Econ.1743. Paradymania sp. nov.
Econ det. H. Wiehler 1981.

Arceae?

5 August 1968 - R. Sulasari.

K 1744. Passiflora coccinea Aubl.INPA m. "granadilla venenosa"
Vine. Petals red. det. T. Plowman1745. Xylosma tessmannii Sleumer.
ECON m. "verugo huay."

Flacourtiaceae.

Tree 5m. along river. fruit red.
det. Sleumer 1980.

1746.

fern.

1747.

F

Epiphyte with twisted fleshy roots
Growing on tree branch in forest along
river.

Arceae

Rio Napo. 5 km above Rio Sukasari. 5 Aug 67.

1748. *Iseutia* Rubiaceae
Tree. Corolla red; fr. orange.

1749. Rubiaceae
Corolla dark red on outside, cream inside on lobes.
Psychotria subundulata Benth. det D. Simpson 1976.

1750. *Psychotria patens* Sw. Rubiaceae
fruit white to blue. det DRSimpson 1972

1751. *Alternanthera Lehmannii* Amaranth.
ECON! m. "lanceolata" → *A. lanceolata* (Benth.) Schumacher 1980.
F Herb.

K 1752. *Abuta grandifolia* (Martius) Sandwith
m. "moleto senensis"
det B. A. Kewhoff 1977.

1753. *Joosia?* *Glycophyllum spruceanum* (Benth.) Hook. f.
ECON m. *Cepirora* det. D. Simpson 1972
F

folios Tree 10 m. Petals and pistil white,
anthers red.

Araceae.
Erect herb 2 m. In forest along river.

6 August 1967. Mengua, Rio Napo.

1754. Potalia amara

m. "curarina"

f

Small tree 2.5 m. Pedicels yellow; calyx yellow; corolla tube greenish.

1755.

Araceae

vine. Milky juice.

1756.

Rubiaceae

Small shrub 50-60 cm. fruits bright blue.

1757. Heliconia

GH

Musaceae

Herb 1 m. Bracts orange and yellow. Corolla yellow. fruit blue.

1758. Guzmania vittata (Mart. ex Schult. f.) Mez

Bromeliaceae

Epiphytic herb on tree trunk. Leaves with horizontal purple + green stripes.

det. L. B. Smith 1972.

1759.

m. "Cruz Caspi"

Legum?

Tree 20 m. flowers cauliflorous.

R 1760. Abuta grandifolia (Martius) Sandwith
 am. "motebo suango mcho"
 det B.G. Krukoff 1977.

b. yellowish parasite? growing out of stem.

J 1761. Meliosma
 m. palo y sangre"

1762. Cycl.
 Herb 80 cm. fr. reddish.

1763. Ipomoea
 "betilla"
 vine forming thicket on river bank.

10 August 1967.

Plants cultivated in Iquitos.

1764. Anthurium Araceae
 Lab garden. Herb 0.5 m. Red sep.

1765. Nieffenbachia Araceae
 Lab garden. Herb 1 m. Cystic juice.

1766. Caladium Araceae
 In Louthien's Garden. Alcohol Pres. Herb
 20 cm. Spathe red turning pink.

1767. Xanthosoma Araceae.
 In Lab Garden. Herb 1 m. Spathe pink,
 sterile part of spadix white. Leaves dark-
 green above, purple veined; grey below.

1768. Brunfelsia ^{grandiflora D. Don nsp. grandiflora}
~~bonariensis var grandiflora~~
 In Lab Garden. Shrub 2 m. flowers blue-
 violet turning white with age.

11 August 1967.

1769. Anthurium Araceae.
 Herb. collected along Rio Neuz by
 women in market place in Iquitos. Epiphytic.

12 August 1967. Outskirts of Iquitos (near housing
 project).

1770. Apocynaceae
 Vine. corolla yellow. Brought by native
 plant collector.

1771.

Araceae.

Herb 0.3 m. Cultivated in garden. Spathe deciduous; white. Spadix cream coloured.

1772 Montrichardia

Araceae

Herb 5-7 m. Iquitos. in swamp. fruits aborted, brown.

1773. Dieffenbachia

Araceae

Herb 1.5 m. Erect. Iquitos near swamp. Petioles and leaf veins white, spathe green and white. Spadix yellow apically. Faint odor of skunk. Rare more inflorescences.

1774. Anthurium

In lab garden. Epiphytic herb. 10-20 cm. Spadix brown, spathe reddish. Berries bright red.

1775. Anthurium

In lab garden. Epiphytic herb. 15 cm. Spathe green, spadix green turning brown.

Ceylan's Rubiaceae

1776. Rudgea?ECON
F

Rubiaceae

Small shrub or tree up to 1.8 m. One small, olive-like, red to violet fruit in each branch.

Lopuna, Rio Nanay.

1777.

Rubiaceae

"coral amarillo"

Up to 2 m. Orange red inflorescence. yellow tubular flowers. Already collected in Versailles (1966).

1778. Palicourea macrobotrys (R. & P.) R. & S.

F

Rubiaceae

at Lopuna. Small tree up to 2 m. Minute yellow flowers.

det D. R. Simpson 1972

1779.

Rubiaceae

"Carriño Caspi"

At San Juan. Pale green fruits. Pinkish violet peduncles. Pink flowers

Rio Marañon. Collections by R. Martin & T. Plowman

* Parinari Aug 20, 1967.

K1700. *Aegiphilla peruviana* Turcz.

ECON

Rubra

ru. "vingo quiro"

Small tree 2 m. fls. cream.

2 1781.

ru. "tzpiriba"

Tree 5 m. Petals cream. Disk yellow-orange.

* Above San Roque.

1782.

ru. "hiporuru"

Small tree.

* Ollanta.

1783. *Phoradendron*

m. "pishcu ismana"

Parasite on *Psidium*.

K1705 1784. *Tabernaemontana* ?

ru. "lobo sanango"

Corolla white. Petals reflexed overlapping
to the right. (Counterclockwise).

1785. Inga punctata Willd.

Legum.

var. "puma Caspi" det. C. Niezgoda 1984.
ECON Tree 4 m.

USE: Para zhumarse. Se toma con chuchuhuasi
la corteza/Calyx and corolla light
green. Filaments white.

Near Santa Teresa.

1786. Solanum aff. nigrum L

Solanaceae

Herb 1.5 m. Petals white. Fruit dark purple.
ECON

K 1787. Bauhinia

Small tree. 5 m. Petals white.

1788. Paullinia

Vitaceae

Serambing vine. 5 m. Along river in
thicket.

Near Tres Unidos.

1789. Artocarpus altilis Econ.

m. "pan del arbol"

Cultivated tree 10 m. ♂ - light brown.
♀ green.

LAGUNAS. 24 August 1967.

K US 1790. Davilla kunthii St. Hil.

S

Scrambling vine in 2° growth.
lanceolate calyx yellow to pink.
det. K. Kubitzki 1986.

1791. Annona cordifolia Poepp. ex S. Szyszyl. Annonaceae

INPA
GH

Scrambling shrub. Petals grey-green
furry. In bud.

K US 1792. Cephaelis peppigiana Muell. Arg. Rubiaceae
ECON
Shrub 2 m. Bracts red, yellow at edge
of lip. Corolla yellow. Fruit blue.

Bejiada trail, Lagunas, along stream.

K US 1793.

Small tree 2 m. Petals cream. Fruit green.

1794 Peperomia

G/H

Prostrate herb. Crushed leaves smell of
guise.

1795.

Leonia glycyarpa R. + P. det. R. Foster 1981. Not!Abuta grandifolia Mart. No!

Mimipern.

ECON
F
(2)~~from~~ from trunk of small tree
Leaves lost.det
Barnaby
1988.

K 1796.

Shrub 2 m. flowers yellow.

G/H
K1797. Randia formosa (Jacq.) Schum. var. longiflora (R. + P.) Schum.

Shrub 2 m. Corolla tube white.

det. T. Plowman 1973

1798. Curatella toxicofera (Weddell)

Liana 6 m.

Barnaby + Krukoff
det. B.A. Krukoff
MimipernaceaeKUS
No
S
G/H1799. Erythroxylon

Shrub 2 m. Buds.

1800.

Small tree 5 m.

K. H. S. 1801. Couroupita amazonica
m. ayahuma

Tree 10 m. Petals white. Staminate
column yellow

25 August 1967.

1802.

Araceae

Herb 0.5 m. growing in gutter in
Yurimaguas. Spathe white, terminus of
spadix white. Leaves green.

Parepoto 25 Aug.

1803. Opuntia

in Hotel Garden. Small tree 4-6 m.
Petals orange to pink. filaments pink. Stig-
mas yellow-green. fruit green turning
red at maturity.

1804. Philodendron barrosoanum Bunting

Araceae

In Hotel Garden. Climbing herb 2 m.

det. T. Croat 1985.

1805. Benisteriopsis Caapi

Malpighiaceae

m. "Cielo ayahuasca"

Vine 5 m. Cultivated in garden. Covering roof of small hut. Fruit green, turning reddish brown.

* Cataract about 15 km from Tera poto on road to Yurimaguas.

1806. Solanum

Suffrutescent herb 2 m. Petals white, anthers orange.

1807. Monopyle sp. nov.

Scroph.

Herb 0.5 m. Corolla pale violet and white
det H. Wiehler 1977.1808. Gurania

Cucurbitaceae

Vine. Sepals orange. Corolla yellow.
in rain forest (2').1809. Drymonia urceolata Wiehler ined.

Gesneriaceae

Large herb 2 m. Bracts maroon, corolla red.
det H. Wiehler 1975

14 1810. Piperaceae: Peperomia
 GH Herb on rock. 0.5 m.

K 1811. Centropogon granubus Presl. Labellineae
 Econ Vine scrambling. Corolla red + orange.
 det. J. Jepson 1981.

1812. Begonia
 Herb 0.5 m. long. Growing on mossy
 rock along stream. Petals white, stamens
 yellow.

1813. Selaginella speciosa A.Br.
 Creeping herb 20 cm. on mossy
 rocks.
 GH.

1814. fern 10-20 cm. on wet rocks.

1815. Bolbitis crenata (Pr.) C. Chr. Econ
 fern. growing on wet mossy rocks
 along stream In forest.
 GH

1816. Tectaria incisa Car.
fern. GH.

1817. Blechnum
fern. GH.

1818. Piperaceae - Peperomia
GH Prostrate herb Growing on wet rocks.

1819. ~~Piper~~ Peperomia
GH Prostrate herb

K
US
5 1820. Peperomia tarapotana C. DC.
GH Herb up to 0.5 m growing on mossy rocks.
Stems very succulent. fruits green

K
US 1821. Solenum caricifolium Rusby
Suffrutescent herb. Along roadside.
det M. D. Whalen 1988.

1822. Anacardium
Herb $\frac{1}{3}$ m. Growing along stream.
Spathe white. Petiole curved at upper
pulvinus \rightarrow leaves drooping.

K 1823. Passiflora vespertilo L.
 G# Vine along roadside.

US K 1824. Neurolaena

Compositae

1825.

Herb 0.5 m. Creeping herb. Sphe
 chewed by insect. Arecaceae.

27 August 1968.

Backyard of Bujo, Trogador, San Martín, Peru

K
 US S 1826. Erythroxylum coca Lam. M.
 MD Cultivated shrub. 1-7 m. flowers cream.
 ECON fruit red.

1827. Brunfelsia grandiflora ssp. schultzei ^{Plowman} Solanaceae
 DUB var. "Chiric Senzango"
 ECON Shrub 1-2 m tall. Cultivated.

flowers white to purple. Fruits green.
 USE: All parts: bark, roots, leaves taken
 with yaguardiente or wine for head
 ailments.

ECON

INPA

*Brugmania*K 1828. *Datura suaveolens* ECON

Solanaceae

vn. "toe"

Small tree 3-4 m. flowers white to pink.

ECON
MO K 1829. *Erythroxylon coca* Lam.

"coca"

ECONECON
MO K 1830. *Erythroxylon coca* Lam.

"coca"

ECONK 1831. *Arrabidaea chica* (H & B.) Verl.

MO

VEN

foto

vn. "pucapunga"

Det. A. Gentry 1972.

Vine climbing on tree. No flowers.

Garden at edge of town (near Hotel)

1832. *Ficus anthelmintica* Mart.

ECON

INPA

vn. "oje"

Tree 20 m. Fruit green. Milky juice.

K 1833. *Swartzia* sp.

foto

vn. "nina Caspi"

Shrub 1.5 m. Leaves applied to inflammation and sores on skin.

1834. Costus

ru. "Sacha huiri"

Herb 2.5 m. (corolla (bracts) red.

Use: Para gripe. Leaves ground in cold water and the water drunk.

K, US 1835. Piper politum C. DC. det. R. Callejas 1986.

INPA 784

ru. "Cordoncillo negro"

Herb 1 m.

Use: Para mal hígado. Whole plant boiled in water then left outside in air overnight, drunk next day.

1836.

Araceae

"petzovina"

INPA 3 1837. Piper aduncum L.

K US

"Cordoncillo"

det. R. Callejas 1984.

Shrub 2 m.

Use: Dried leaves made into powder for cuts.

K1838. *Indigofera suffruticosa*
 var. "llangva"

use: decoration take. Also dyeing clothes.

K 1839.

var. "a lingue sachá"

Herb 70 cm.

"Given to constipated donkeys".

use: Para hacer hechar el burro. Given to him to eat.

1840.

m. "Shillinto"

Liana

use: Cuando tiene alguna lepra se toman.

The vine is chopped and put in H₂O and drunk. De frío y fiebre.

1841.

var. "hema blanca"

Petals orange. Free by stream.

use: ?

MS
US
3

1842. Phoradendron cf. piperoides

Loranthaceae

Vn. "pishcu micuna" "parajita"
or "reneco" det T. Croat 1975

fruit orange.

USE: whole plant crushed in aguardiente and drunk when a bone is broken. leaves crushed and also applied externally.

1843. Equisetum giganteum GH; Ecom

Vn. "Cola de caballo"

Herb 3 m. Whole plant boiled with water for cancer of the stomach.

1844. Phytanthus?

Shrub 2 m.

USE: para hacer el pihajo (microbio) de gallina.

1845.

Vn. "cerchupa Sacha"

Ground herb 0.4 m.

USE: put in food of dog to make him a good hunter.

1846. Serjania
Vn. "macote"

Vine.

Use: fish poison (trunk is ground and spread on water).

1847. Siparuna
Vn. "isula micone"

Monimier.

ECON

Shrub 2 m.

Use: para picadura de víbora. Crushed leaves in cold water, drunk and applied.

1848.
Vn. "vanilla"

1849.
Vn. "rino sacho"

Use: ?

141950. Croton

vn. "Celambro Sacha"

use: for body cramps.

K US 1851. Erythroxylum ~~shatone~~ shatone Meerbide.
Forest near ~~Tarapoto~~ Tarapoto. Shrub.
PUCA CACA!

20 August 1967.

20 km. from Tarapoto on road to
Jurimayez.

K US 1852. Pyrostegia dichotoma Miers ex K. Schum.

Scrambling Shrub 1-2 m. Corolla
orange. det. A. Gentry 1978

K, US 1853.

Small Shrub 1-2 m. Corolla pink
to lavender.

K
INPR 1854. Ipomoea ~~hamata~~ coccinea L. Convolvulaceae
Vine climbing in 2nd growth along
road. Corolla red, capsule brown

K, S 1855. Tibouchina ochypetala (R. + P.) Baillon Melastomataceae
US, GH Small tree 5-6 m. Corolla magenta,
calyx red.

US K 1856. Senecio Compositae
Herb 1.5 m. tall. Rays bright yellow.

US K 1857. Dalechampia Euphorb.
Vine growing in 2° growth along road. Bracts yellow green. Glands yellow. Fruit green.

US K 1858. Colopogonium coruleum Lupinulac
Vine growing in 2° growth. Corolla light blue. — det. Velva Rudd. 1972.

US K 1859. Serjania
Shrubby vine 2 m. Corolla white, stamens yellow. Fruits green with pink edges.

US K 1860. Crotalaria micans Link det. D.R. Windler 1982. Leguminosae
Small shrub 1-2 m. along road. Corolla yellow. fruit inflated.

1861. Asceae
Herb 1.5 m. growing in seep along road. Upper part of spadix yellow, lower white. Leaves pinnate, lobed.

1062.

Herb 1.5 m. Roadside. Spathe completely enclosing spadix. Leaf entire, cordate. Araceae

1063. PHILODENDRON MAXIMUM K. KRAUSEAraceae

Herb 1.5 m. along road. Leaf entire, sagittate. DET. T. CROAT, 2000.

1064. Habenaria monorhiza (Sw.) R. G.Orchidaceae

OAI 85

Herb to 1 m. Along road. Petals white. det. L. Garay 1982

1065. Adiantum macrophyllum Sw.

Fern. Growing in glade along stream. GH.

29 August 1967. Airport Mayabamba.

1066.

Vismia sp.Clusiaceae

Shrub 2 m. Calyx brown. Petals green.

30 August 1967 Trujillo, Chanchamayo.

- K1867. ~~Distichlis~~ Distichlis thelassica (HBK.) Desv.? Gramineae
 K, US, GH
 S Herb 10-20 cm. growing near
 beach. Stigmy purple. Deep rhizome
 det. T. Soderstrom

Lima - 13 Sept 1967

Front yard garden near Museo de
 Historia Natural.

1868. Brumfelsia australis Benth. Solanaceae
 ECON
 VEN Shrub 2 m. Cultivated in garden.
 Corolla Violet → white.



